

MC-TESTER results for decays of particle τ^- (PDG code 15).

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May 9, 2008

Results from **generator 1**.

Dataset: csc11.005107.pythia_Wtauhad.evgen.EVNT.v11000505
Testing tau- decays in W->tau->hadrons

- From directory:
/data/data2/atlas/users/ndavidso/testarea/13.0.30/MyTauValidationPackage/share
- Total number of analyzed decays: 129041
- Number of decay channels found: 52 + 4

Results from **generator 2**.

Dataset: mc12.005107.pythia_Wtauhad.evgen.EVNT.v12000701
Testing tau- decays in W->tau->hadrons

- From directory:
/data/data2/atlas/users/ndavidso/testarea/13.0.30/MyTauValidationPackage/share
- Total number of analyzed decays: 149120
- Number of decay channels found: 52 + 6

Found decay modes:

Decay channel	Branching Ratio $\pm$ Rough Errors		Max. shape dif. param.
	Generator #1	Generator #2	
$\tau^- \rightarrow \pi^- \pi^0 \nu_\tau$	$28.0175 \pm 0.1474\%$	$28.2122 \pm 0.1375\%$	0.00000
$\tau^- \rightarrow \gamma \tau^-$	$23.7273 \pm 0.1356\%$	$23.6548 \pm 0.1259\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^0 \pi^0 \nu_\tau$	$13.2702 \pm 0.1014\%$	$13.1438 \pm 0.0939\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^- \pi^+ \nu_\tau$	$12.7735 \pm 0.0995\%$	$12.9037 \pm 0.0930\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^- \pi^+ \pi^0 \nu_\tau$	$6.8234 \pm 0.0727\%$	$7.0145 \pm 0.0686\%$	0.00000
$\tau^- \rightarrow \pi^- \nu_\tau$	$6.6072 \pm 0.0716\%$	$6.4472 \pm 0.0658\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^0 \pi^0 \pi^0 \nu_\tau$	$1.5786 \pm 0.0350\%$	$1.5853 \pm 0.0326\%$	0.00240
$\tau^- \rightarrow K^- \pi^- \pi^+ \nu_\tau$	$0.7680 \pm 0.0244\%$	$0.7383 \pm 0.0223\%$	0.00000
$\tau^- \rightarrow \pi^- \gamma \nu_\tau$	$0.6703 \pm 0.0228\%$	$0.7283 \pm 0.0221\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^0 \gamma \nu_\tau$	$0.6432 \pm 0.0223\%$	$0.6351 \pm 0.0206\%$	0.00000
$\tau^- \rightarrow K^- \pi^0 \nu_\tau$	$0.5835 \pm 0.0213\%$	$0.5573 \pm 0.0193\%$	0.00000
$\tau^- \rightarrow \pi^- K_L^0 \nu_\tau$	$0.5533 \pm 0.0207\%$	$0.5767 \pm 0.0197\%$	0.00000
$\tau^- \rightarrow K_S^0 \pi^- \nu_\tau$	$0.5409 \pm 0.0205\%$	$0.5546 \pm 0.0193\%$	0.00000
$\tau^- \rightarrow K^- \nu_\tau$	$0.5099 \pm 0.0199\%$	$0.5070 \pm 0.0184\%$	0.00000
$\tau^- \rightarrow \pi^- K_L^0 \pi^0 \nu_\tau$	$0.4409 \pm 0.0185\%$	$0.4044 \pm 0.0165\%$	0.00000
$\tau^- \rightarrow K_S^0 \pi^- \pi^0 \nu_\tau$	$0.4138 \pm 0.0179\%$	$0.4097 \pm 0.0166\%$	0.00000
$\tau^- \rightarrow K^- K^+ \pi^- \nu_\tau$	$0.2495 \pm 0.0139\%$	$0.2119 \pm 0.0119\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^- \pi^+ \pi^0 \pi^0 \nu_\tau$	$0.2162 \pm 0.0129\%$	$0.2293 \pm 0.0124\%$	0.00000
$\tau^- \rightarrow K^- K_S^0 \pi^0 \nu_\tau$	$0.1201 \pm 0.0096\%$	$0.1113 \pm 0.0086\%$	0.00000
$\tau^- \rightarrow \gamma \gamma \tau^-$	$0.1046 \pm 0.0090\%$	$0.0872 \pm 0.0076\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^0 \gamma \gamma \nu_\tau$	$0.1038 \pm 0.0090\%$	$0.1200 \pm 0.0090\%$	0.00121
$\tau^- \rightarrow K_S^0 \pi^- K_L^0 \nu_\tau$	$0.1031 \pm 0.0089\%$	$0.1106 \pm 0.0086\%$	0.00000
$\tau^- \rightarrow K^- K_L^0 \pi^0 \nu_\tau$	$0.0969 \pm 0.0087\%$	$0.1348 \pm 0.0095\%$	0.01865
$\tau^- \rightarrow \nu_\tau \bar{\nu}_\mu \mu^-$	$0.0969 \pm 0.0087\%$	$0.0389 \pm 0.0051\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^- \pi^+ \pi^0 \pi^0 \pi^0 \nu_\tau$	$0.0852 \pm 0.0081\%$	$0.0811 \pm 0.0074\%$	0.00000
$\tau^- \rightarrow K^- \pi^0 \pi^0 \nu_\tau$	$0.0806 \pm 0.0079\%$	$0.0664 \pm 0.0067\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^- \pi^- \pi^+ \pi^+ \nu_\tau$	$0.0744 \pm 0.0076\%$	$0.0832 \pm 0.0075\%$	0.00000
$\tau^- \rightarrow K^- K_S^0 \nu_\tau$	$0.0721 \pm 0.0075\%$	$0.0691 \pm 0.0068\%$	0.00000
$\tau^- \rightarrow \nu_\tau \bar{\nu}_e e^-$	$0.0721 \pm 0.0075\%$	$0.0295 \pm 0.0044\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^- \pi^+ \gamma \nu_\tau$	$0.0705 \pm 0.0074\%$	$0.0597 \pm 0.0063\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^0 \pi^0 \pi^0 \pi^0 \nu_\tau$	$0.0697 \pm 0.0074\%$	$0.0751 \pm 0.0071\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^0 \pi^0 \gamma \nu_\tau$	$0.0620 \pm 0.0069\%$	$0.0483 \pm 0.0057\%$	0.00000

$\tau^- \rightarrow K_S^0 K_S^0 \pi^- \nu_\tau$	$0.0612 \pm 0.0069\%$	$0.0577 \pm 0.0062\%$	0.00000
$\tau^- \rightarrow K^- K_L^0 \nu_\tau$	$0.0597 \pm 0.0068\%$	$0.0704 \pm 0.0069\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^- \pi^- \pi^+ \pi^+ \pi^0 \nu_\tau$	$0.0480 \pm 0.0061\%$	$0.0490 \pm 0.0057\%$	0.00000
$\tau^- \rightarrow \pi^- \gamma \gamma \nu_\tau$	$0.0473 \pm 0.0061\%$	$0.0382 \pm 0.0051\%$	0.00000
$\tau^- \rightarrow \pi^- K_L^0 K_L^0 \nu_\tau$	$0.0457 \pm 0.0060\%$	$0.0510 \pm 0.0058\%$	0.00000
$\tau^- \rightarrow \gamma \nu_\tau \tilde{\nu}_e e^-$	$0.0294 \pm 0.0048\%$	$0.0141 \pm 0.0031\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^- \pi^+ \pi^0 \gamma \nu_\tau$	$0.0287 \pm 0.0047\%$	$0.0288 \pm 0.0044\%$	0.00000
$\tau^- \rightarrow K^- \gamma \nu_\tau$	$0.0186 \pm 0.0038\%$	$0.0161 \pm 0.0033\%$	0.00000
$\tau^- \rightarrow \gamma \nu_\tau \tilde{\nu}_e e^-$	$0.0101 \pm 0.0028\%$	$0.0054 \pm 0.0019\%$	0.00000
$\tau^- \rightarrow \pi^- K_L^0 \gamma \nu_\tau$	$0.0093 \pm 0.0027\%$	$0.0027 \pm 0.0013\%$	0.00000
$\tau^- \rightarrow \gamma \nu_\tau \tilde{\nu}_\mu \mu^-$	$0.0085 \pm 0.0026\%$	$0.0047 \pm 0.0018\%$	0.00000
$\tau^- \rightarrow K_S^0 \pi^- \gamma \nu_\tau$	$0.0085 \pm 0.0026\%$	$0.0067 \pm 0.0021\%$	0.00000
$\tau^- \rightarrow K^- \pi^0 \gamma \nu_\tau$	$0.0070 \pm 0.0023\%$	$0.0080 \pm 0.0023\%$	0.00000
$\tau^- \rightarrow \pi^- \pi^0 \pi^0 \pi^0 \gamma \nu_\tau$	$0.0031 \pm 0.0015\%$	$0.0020 \pm 0.0012\%$	0.00000
$\tau^- \rightarrow K^- \pi^- \pi^+ \gamma \nu_\tau$	$0.0023 \pm 0.0013\%$	$0.0027 \pm 0.0013\%$	0.00000
$\tau^- \rightarrow \gamma \gamma \tau^-$	$0.0023 \pm 0.0013\%$	$0.0027 \pm 0.0013\%$	300.00000
$\tau^- \rightarrow \pi^- K_L^0 \pi^0 \gamma \nu_\tau$	$0.0015 \pm 0.0011\%$	$0.0013 \pm 0.0009\%$	0.00000
$\tau^- \rightarrow \pi^- \gamma \gamma \nu_\tau$	$0.0015 \pm 0.0011\%$	$0.0040 \pm 0.0016\%$	0.00000
$\tau^- \rightarrow K_S^0 \pi^- \pi^0 \gamma \nu_\tau$	$0.0008 \pm 0.0008\%$	$0.0007 \pm 0.0007\%$	0.00000
$\tau^- \rightarrow K^- K_L^0 \pi^0 \gamma \nu_\tau$	$0.0008 \pm 0.0008\%$	$0.0007 \pm 0.0007\%$	0.00000
Channels From First Generator Only:			
$\tau^- \rightarrow \gamma \gamma \nu_\tau \tilde{\nu}_e e^-$	$0.0039 \pm 0.0017\%$	-	-
$\tau^- \rightarrow \gamma \gamma \nu_\tau \tilde{\nu}_\mu \mu^-$	$0.0008 \pm 0.0008\%$	-	-
$\tau^- \rightarrow \pi^- \pi^- \pi^+ \pi^0 \pi^0 \gamma \nu_\tau$	$0.0008 \pm 0.0008\%$	-	-
$\tau^- \rightarrow K_S^0 \pi^- K_L^0 \gamma \nu_\tau$	$0.0008 \pm 0.0008\%$	-	-
Channels From Second Generator Only:			
$\tau^- \rightarrow K^- K^+ \pi^- \gamma \nu_\tau$	-	$0.0007 \pm 0.00067\%$	-
$\tau^- \rightarrow K^- \gamma \gamma \nu_\tau$	-	$0.0007 \pm 0.00067\%$	-
$\tau^- \rightarrow \pi^- \pi^- \pi^- \pi^+ \pi^+ \gamma \nu_\tau$	-	$0.0007 \pm 0.00067\%$	-
$\tau^- \rightarrow \pi^- \pi^- \pi^+ \gamma \gamma \nu_\tau$	-	$0.0007 \pm 0.00067\%$	-
$\tau^- \rightarrow K^- K_L^0 \gamma \nu_\tau$	-	$0.0007 \pm 0.00067\%$	-
$\tau^- \rightarrow \pi^- \pi^0 \gamma \gamma \nu_\tau$	-	$0.0007 \pm 0.00067\%$	-

Similarity coefficients: T1=0.712368 %, T2=0.406837 %

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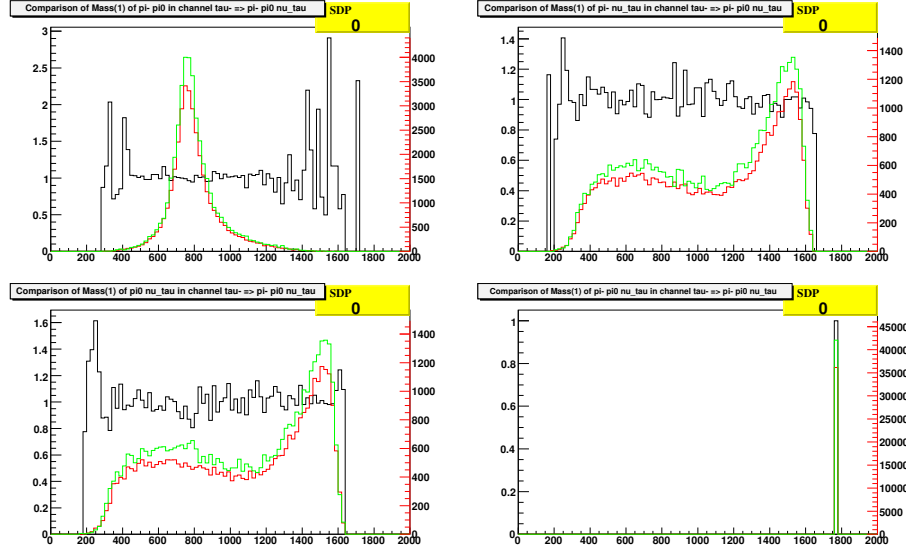
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1 Decay Channel: $\tau^- \rightarrow \pi^- \pi^0 \nu_\tau$

Number of events from **generator 1**: 36154

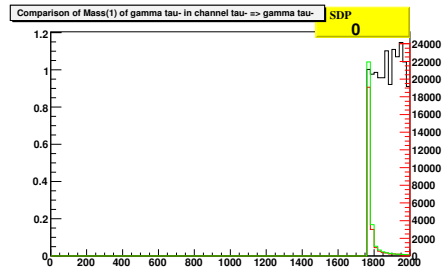
Number of events from **generator 2**: 42070



2 Decay Channel: $\tau^- \rightarrow \gamma \tau^-$

Number of events from **generator 1**: 30618

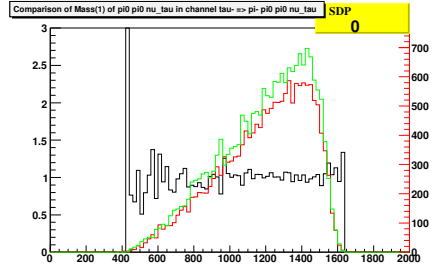
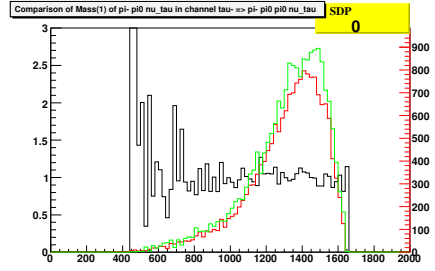
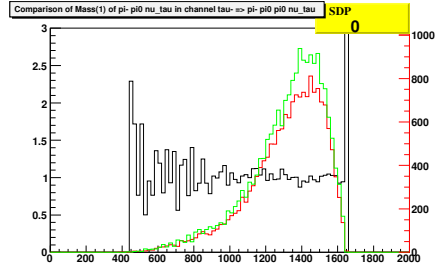
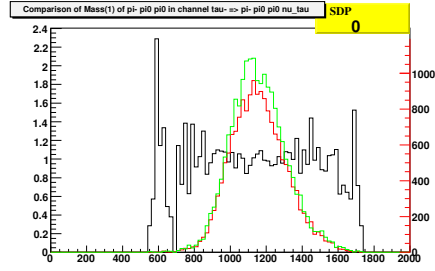
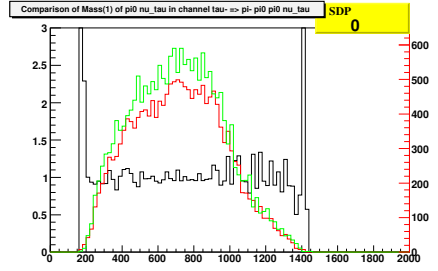
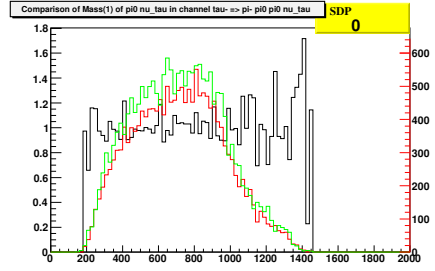
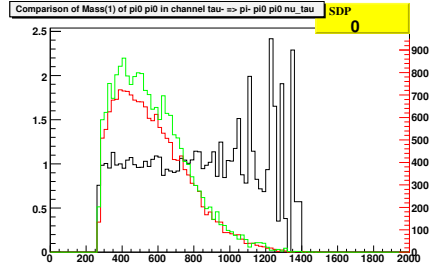
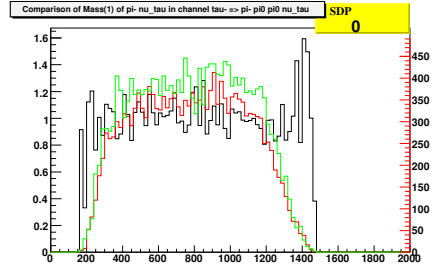
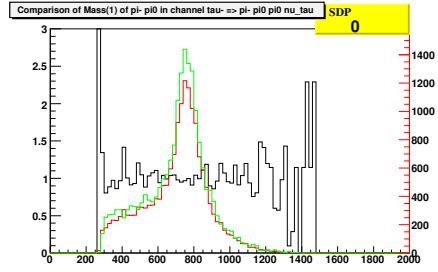
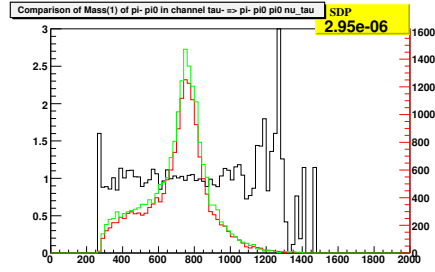
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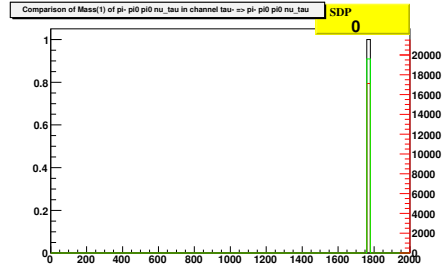


3 Decay Channel: $\tau^- \rightarrow \pi^- \pi^0 \pi^0 \nu_\tau$

Number of events from **generator 1**: 17124

Number of events from **generator 2**: 19600

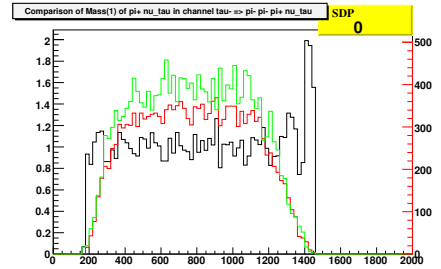
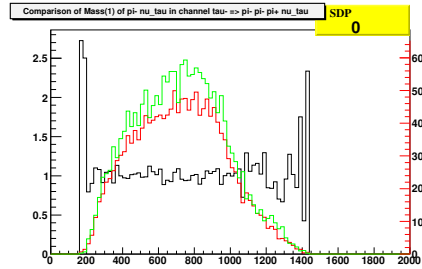
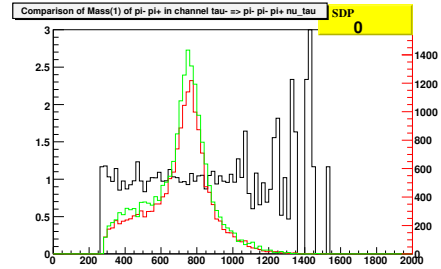
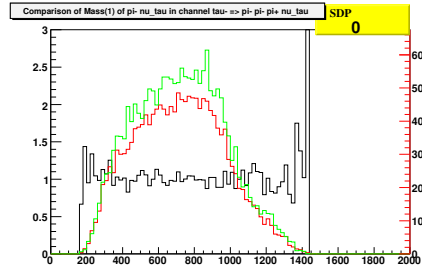
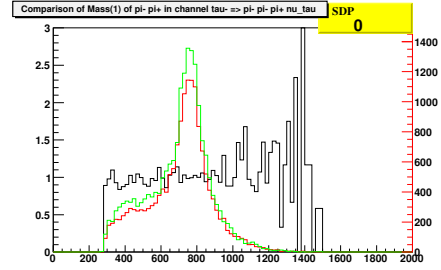
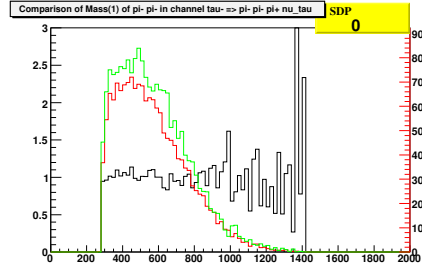


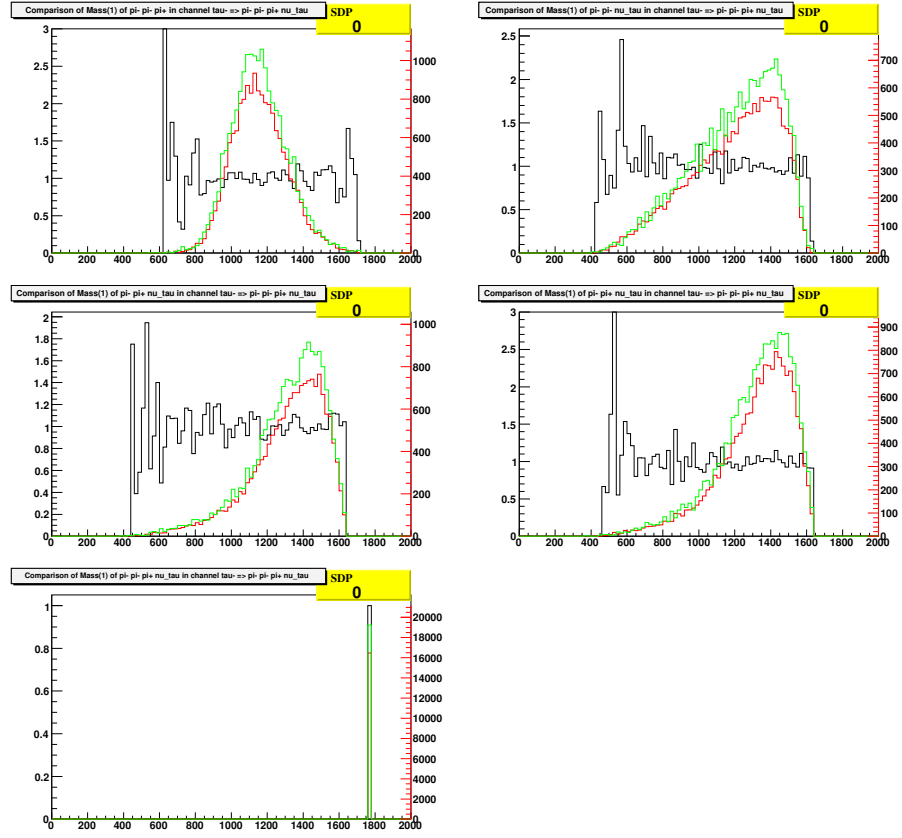


4 Decay Channel: $\tau^- \rightarrow \pi^- \pi^- \pi^+ \nu_\tau$

Number of events from generator 1: 16483

Number of events from generator 2: 19242

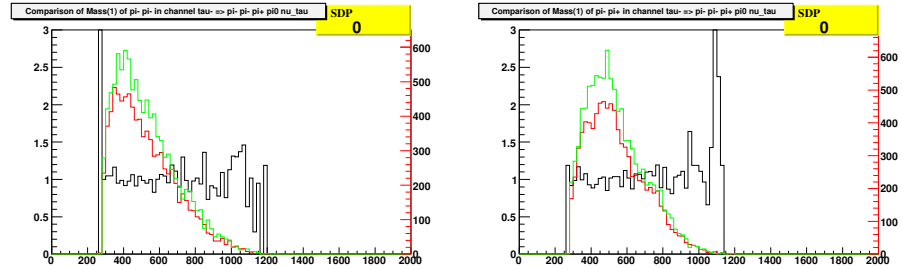


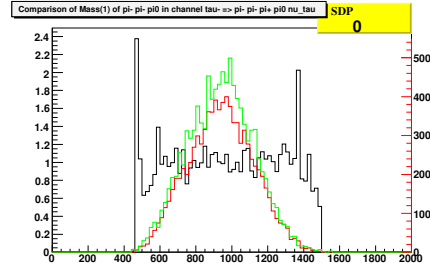
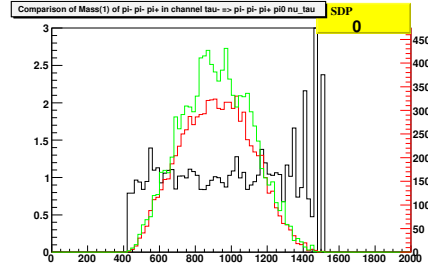
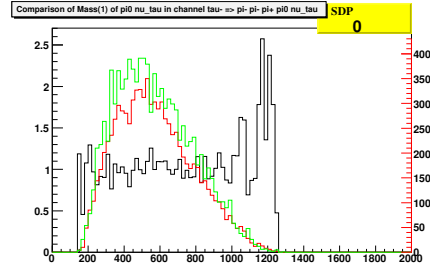
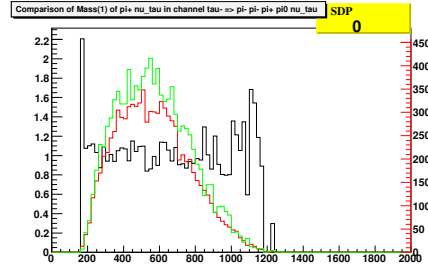
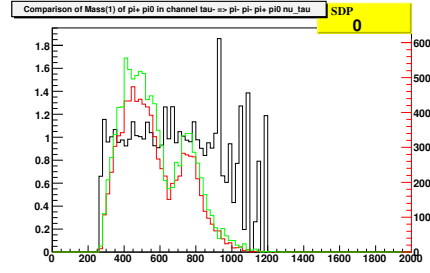
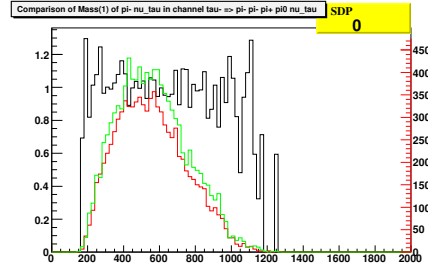
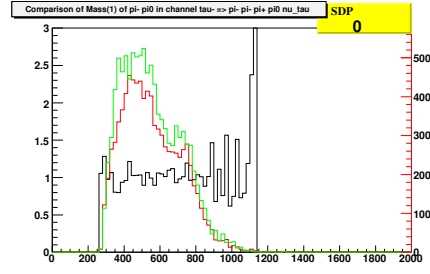
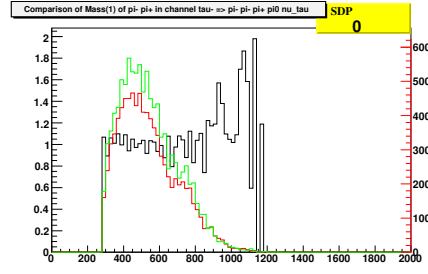
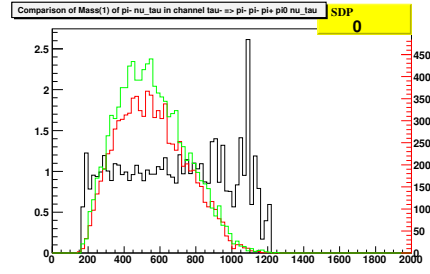
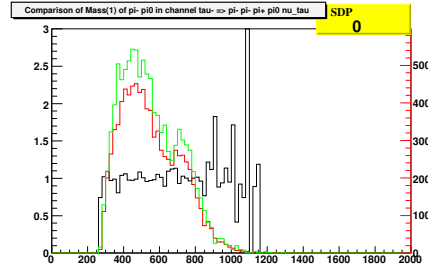


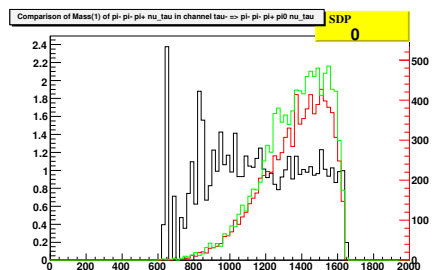
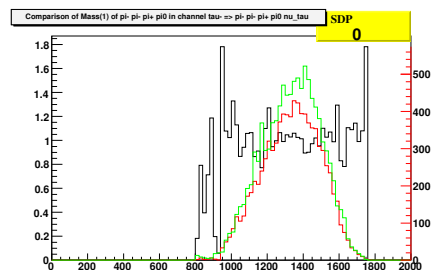
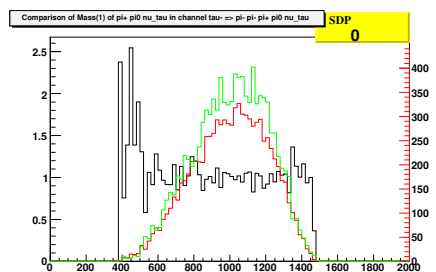
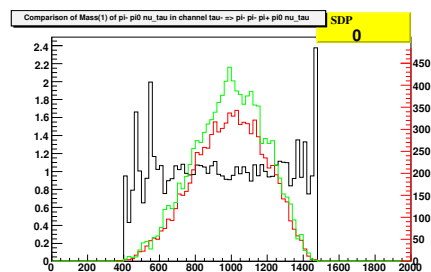
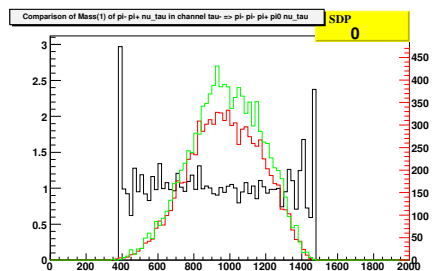
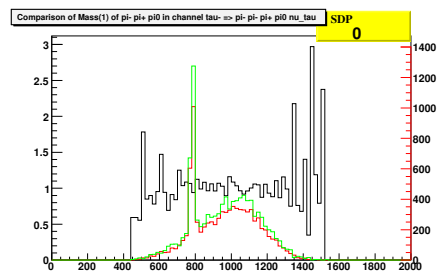
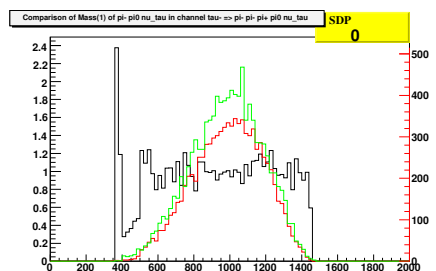
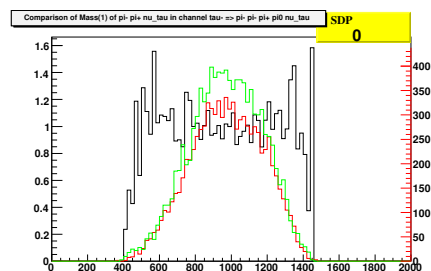
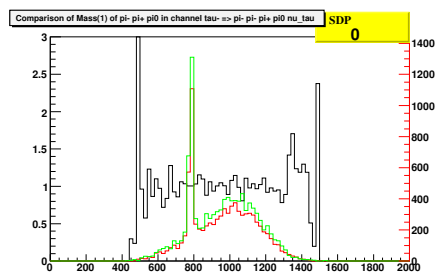
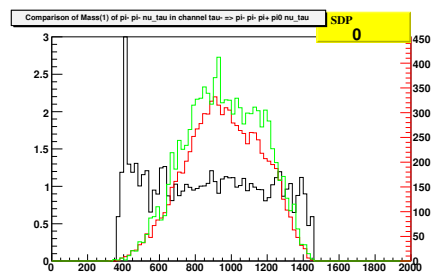
5 Decay Channel: $\tau^- \rightarrow \pi^- \pi^- \pi^+ \pi^0 \nu_\tau$

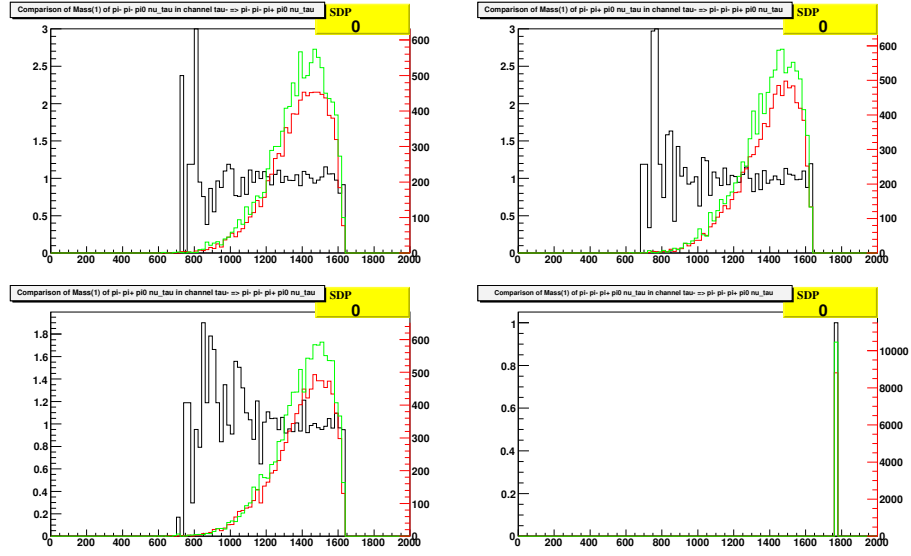
Number of events from generator 1: 8805

Number of events from generator 2: 10460





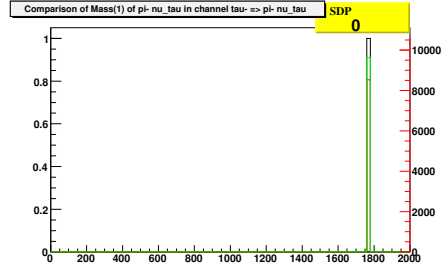




6 Decay Channel: $\tau^- \rightarrow \pi^- \nu_\tau$

Number of events from generator 1: 8526

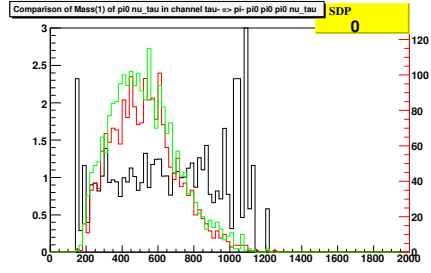
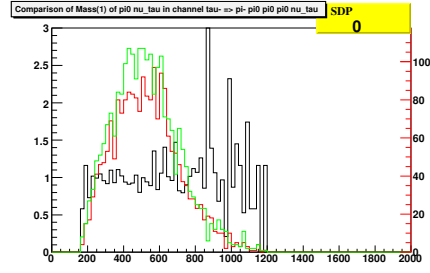
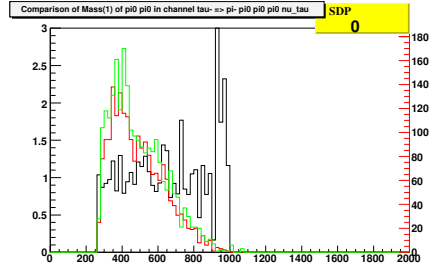
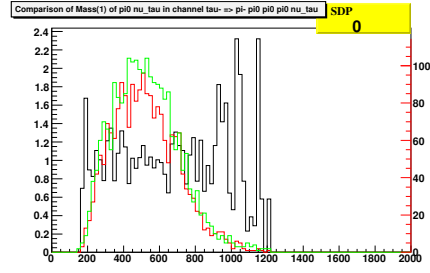
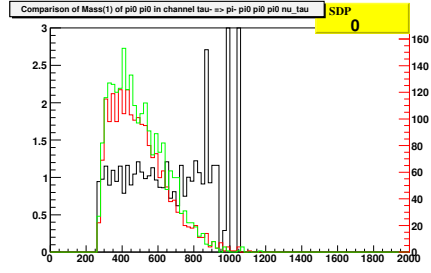
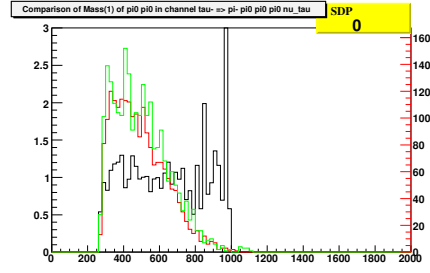
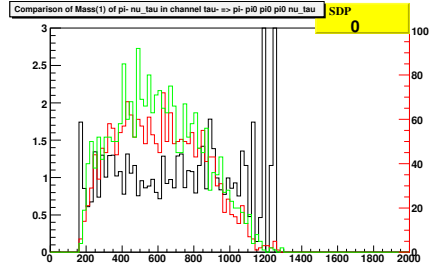
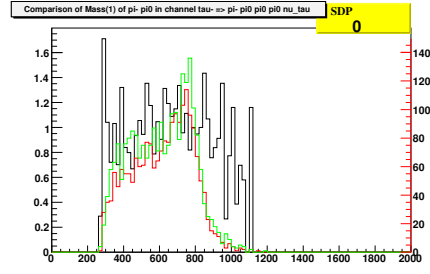
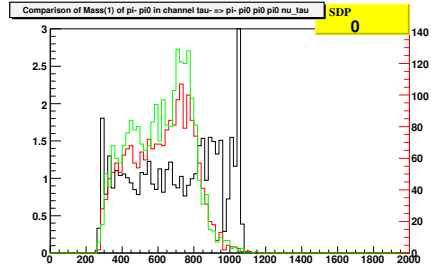
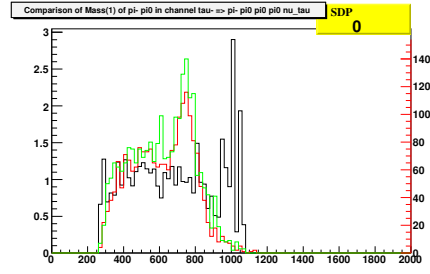
Number of events from generator 2: 9614

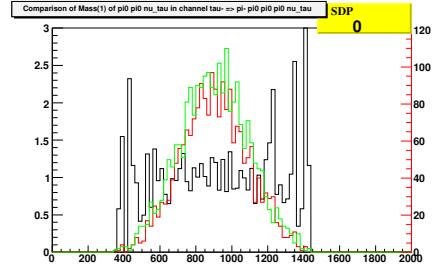
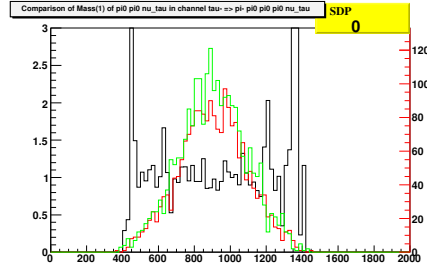
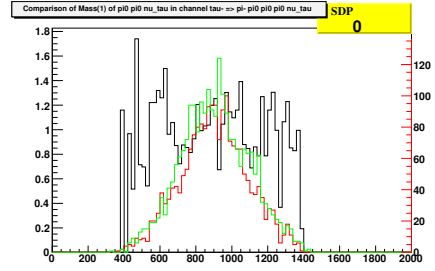
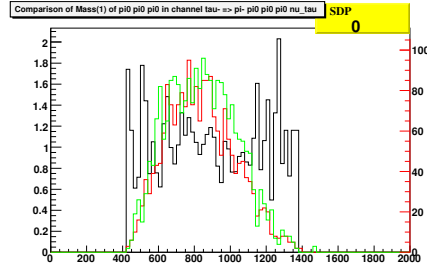
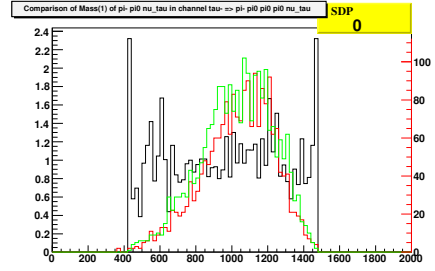
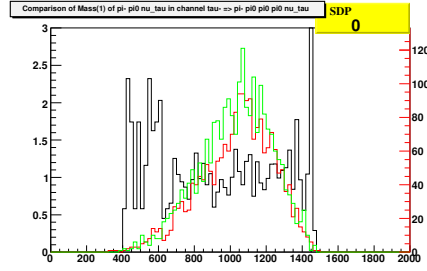
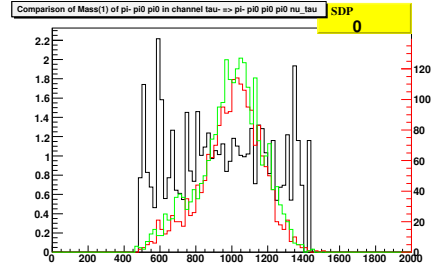
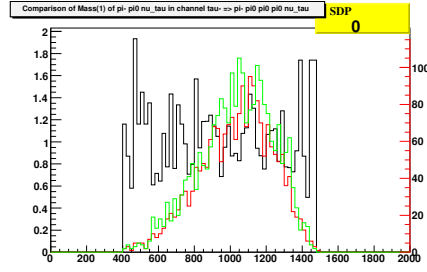
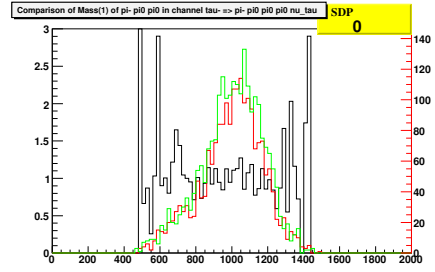
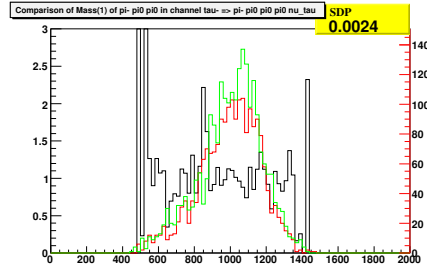


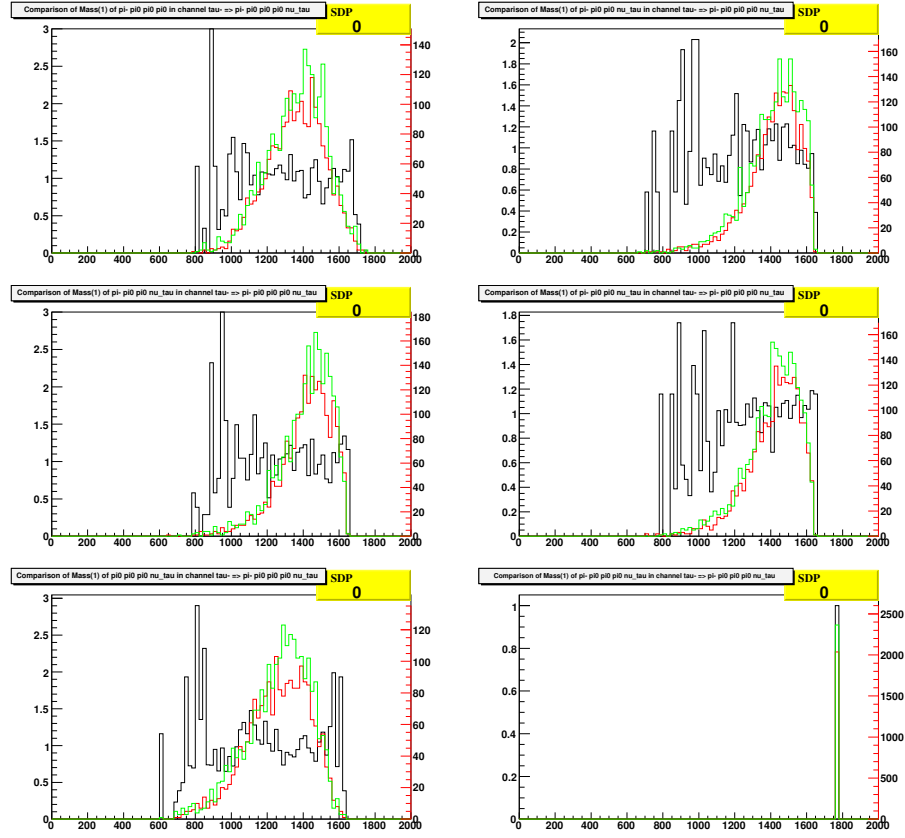
7 Decay Channel: $\tau^- \rightarrow \pi^- \pi^0 \pi^0 \pi^0 \nu_\tau$

Number of events from generator 1: 2037

Number of events from generator 2: 2364



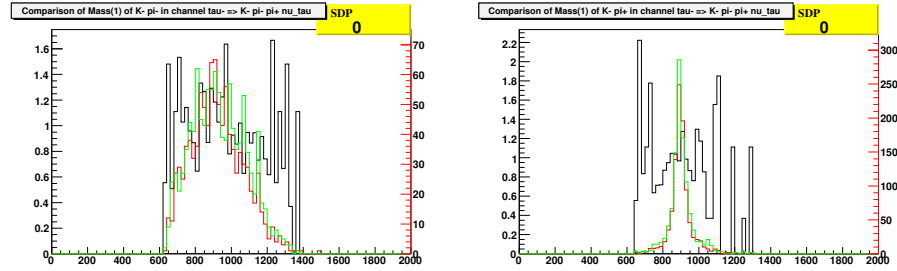


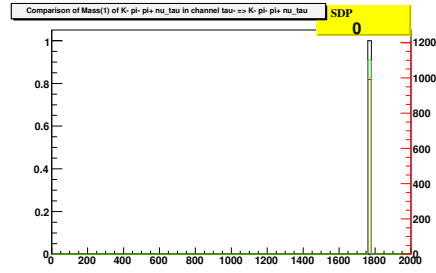
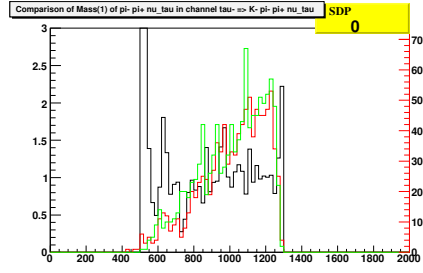
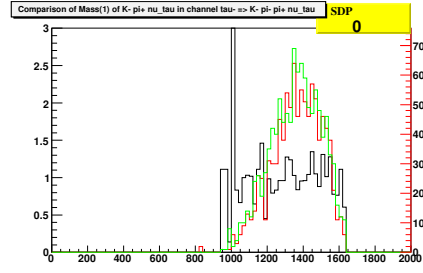
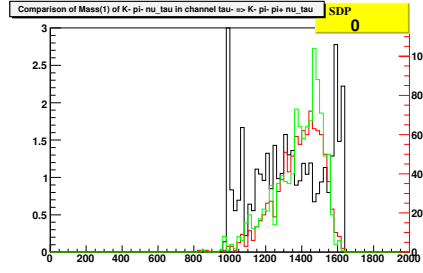
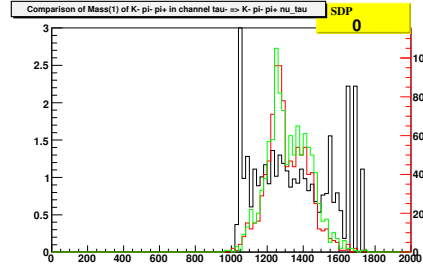
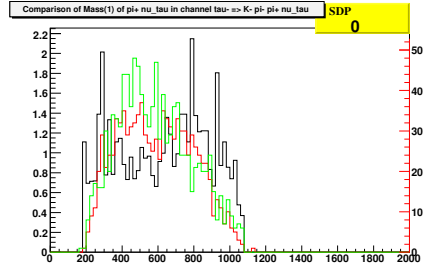
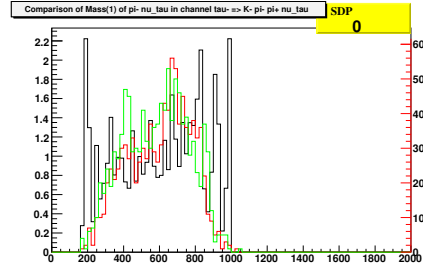
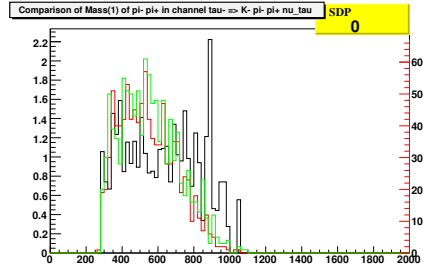
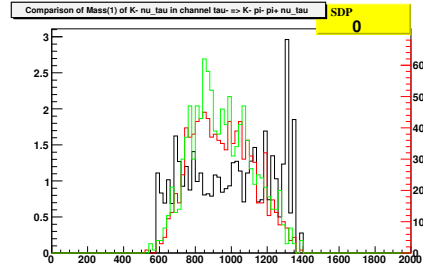


8 Decay Channel: $\tau^- \rightarrow K^- \pi^- \pi^+ \nu_\tau$

Number of events from generator 1: 991

Number of events from generator 2: 1101

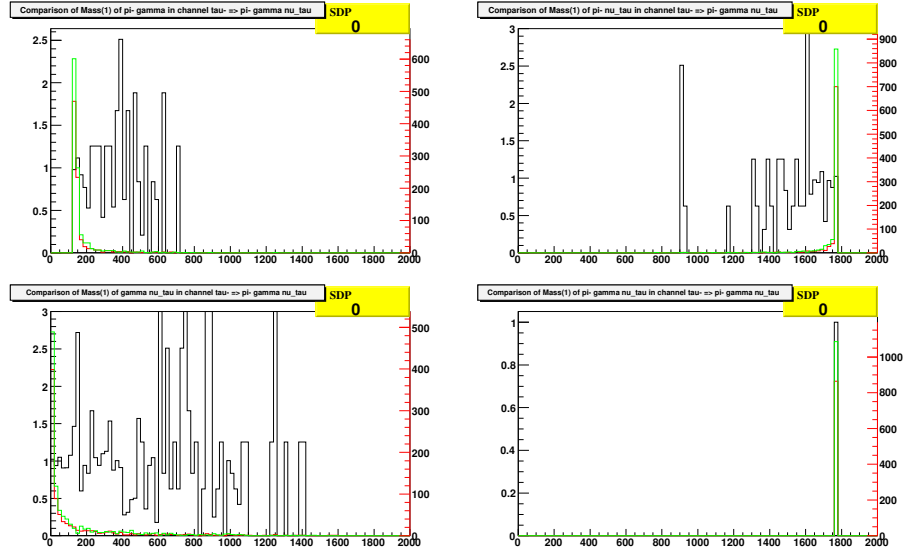




9 Decay Channel: $\tau^- \rightarrow \pi^- \gamma \nu_\tau$

Number of events from **generator 1**: 865

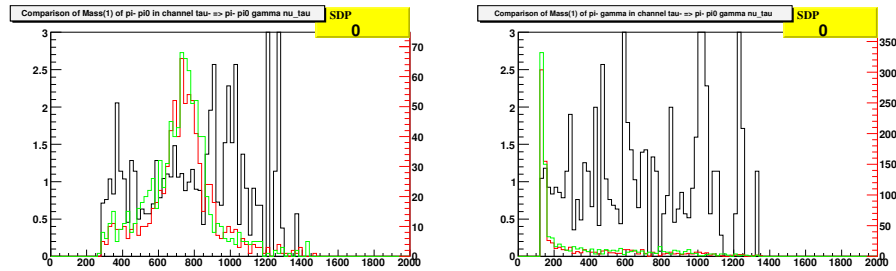
Number of events from **generator 2**: 1086

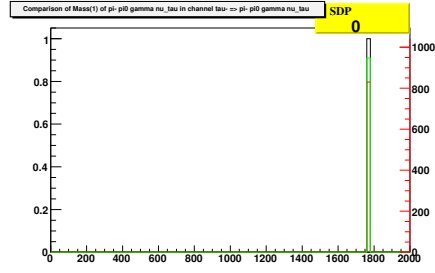
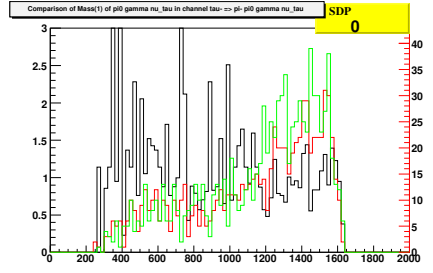
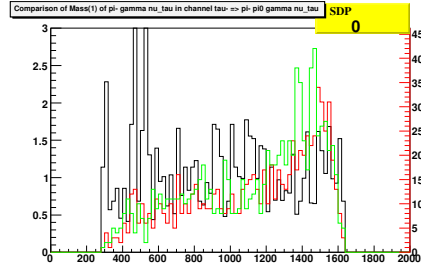
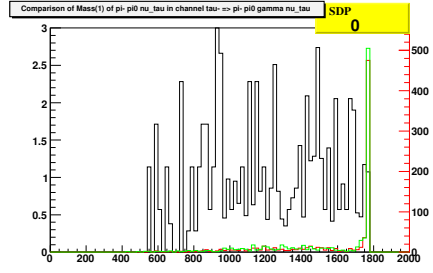
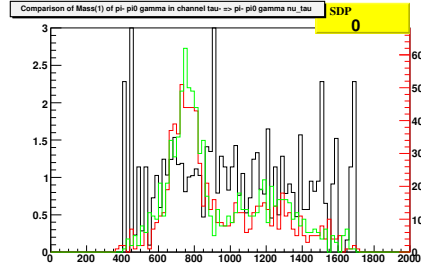
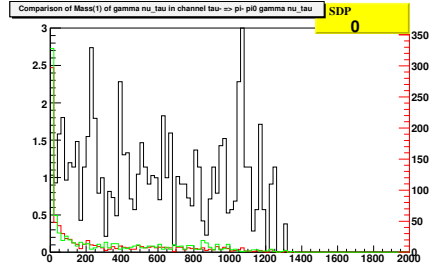
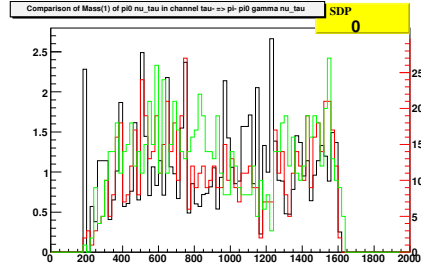
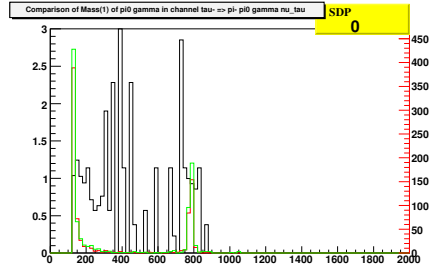
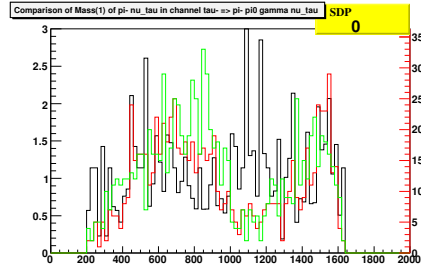


10 Decay Channel: $\tau^- \rightarrow \pi^- \pi^0 \gamma \nu_\tau$

Number of events from **generator 1**: 830

Number of events from **generator 2**: 947

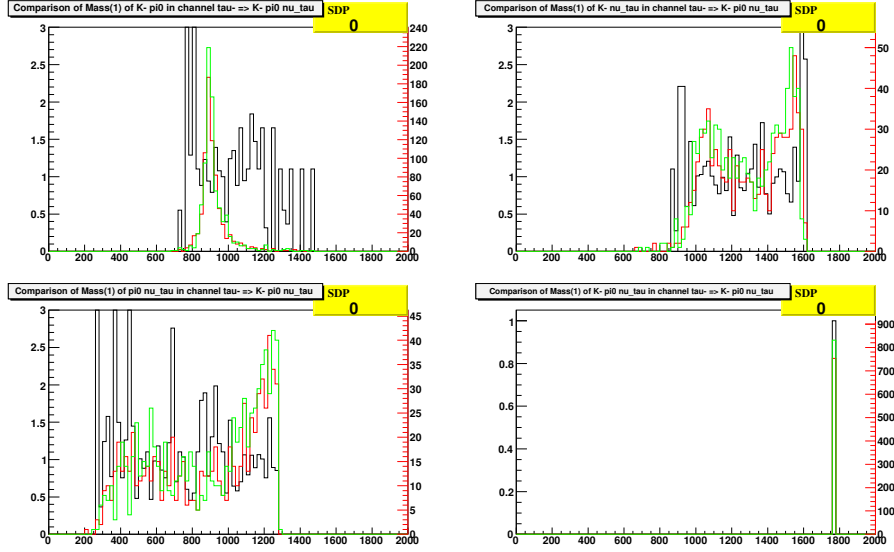




11 Decay Channel: $\tau^- \rightarrow K^- \pi^0 \nu_\tau$

Number of events from **generator 1**: 753

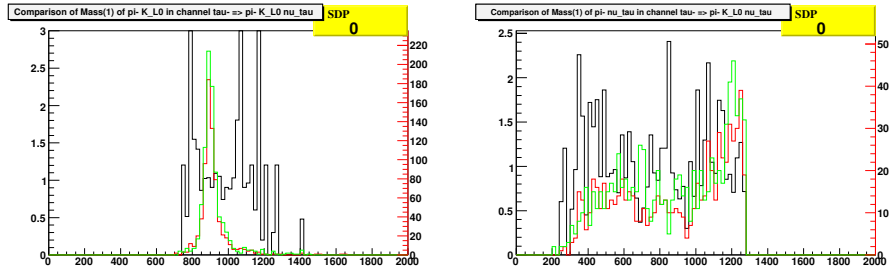
Number of events from **generator 2**: 831

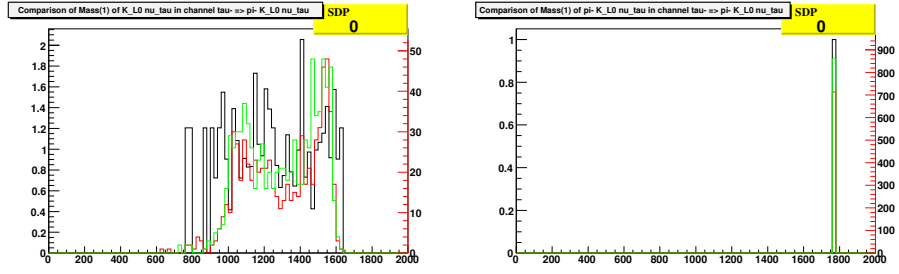


12 Decay Channel: $\tau^- \rightarrow \pi^- K_L^0 \nu_\tau$

Number of events from **generator 1**: 714

Number of events from **generator 2**: 860

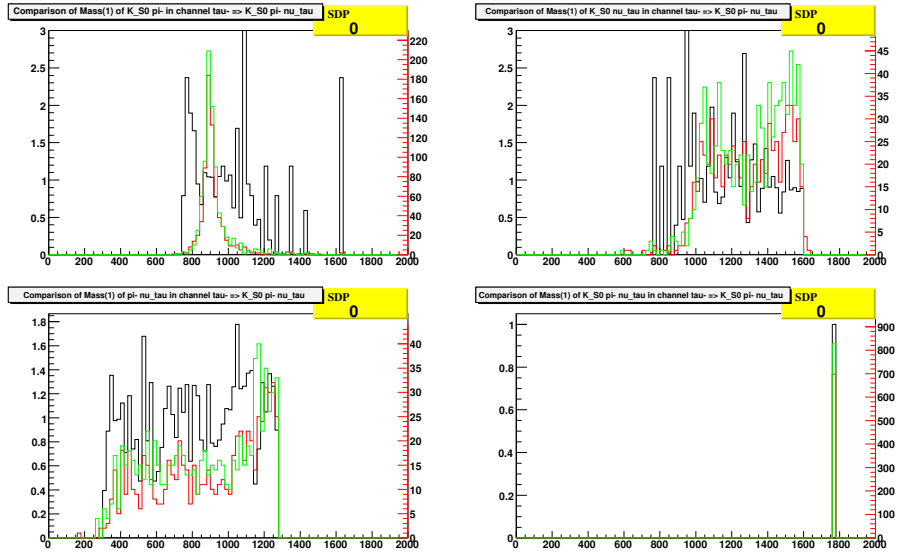




13 Decay Channel: $\tau^- \rightarrow K_S^0 \pi^- \nu_\tau$

Number of events from **generator 1**: 698

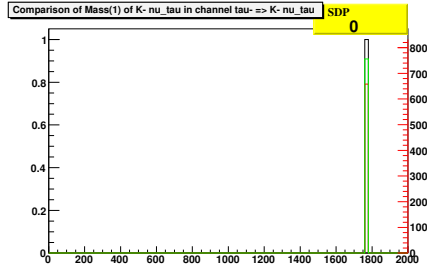
Number of events from **generator 2**: 827



14 Decay Channel: $\tau^- \rightarrow K^- \nu_\tau$

Number of events from **generator 1**: 658

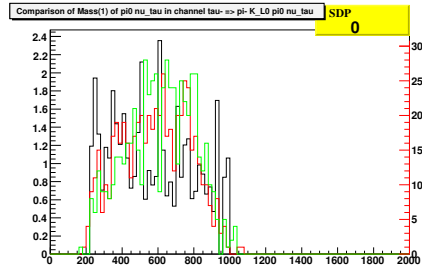
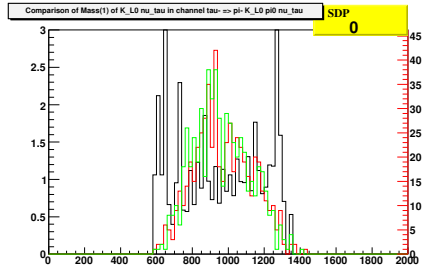
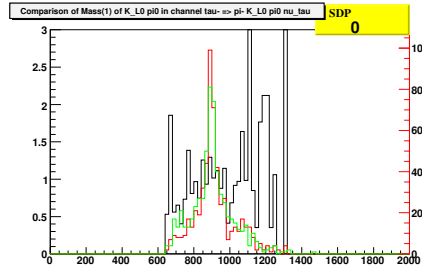
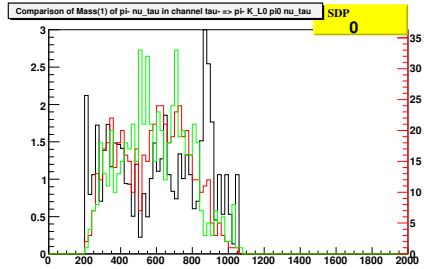
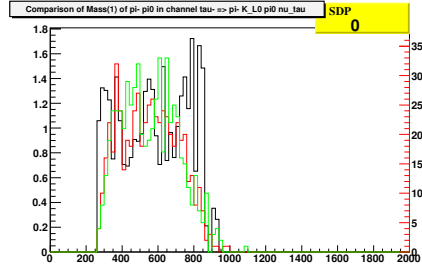
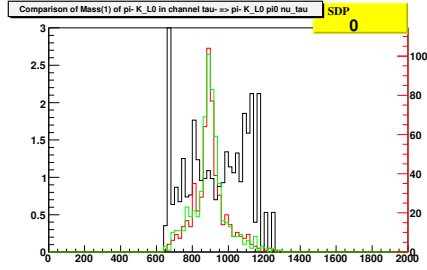
Number of events from **generator 2**: 756

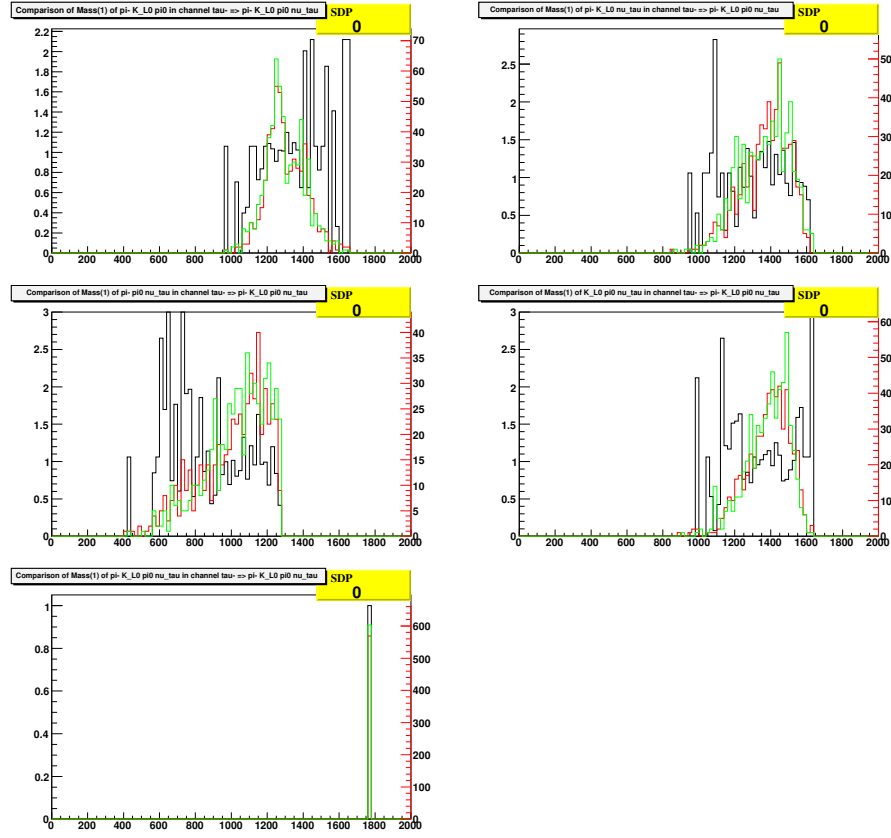


15 Decay Channel: $\tau^- \rightarrow \pi^- K_L^0 \pi^0 \nu_\tau$

Number of events from generator 1: 569

Number of events from generator 2: 603

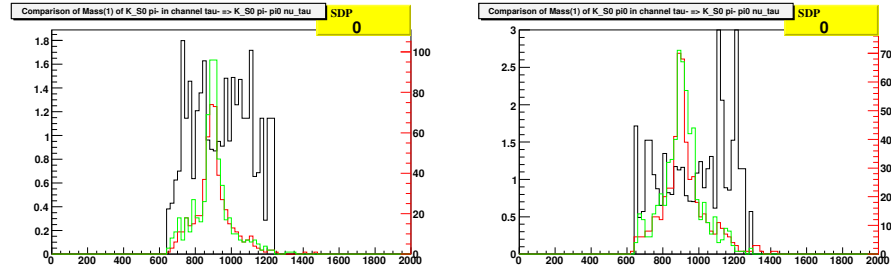


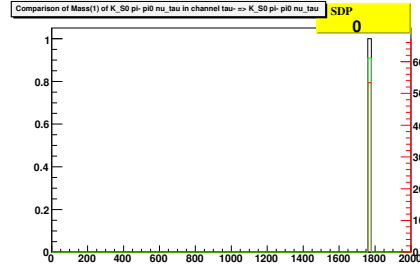
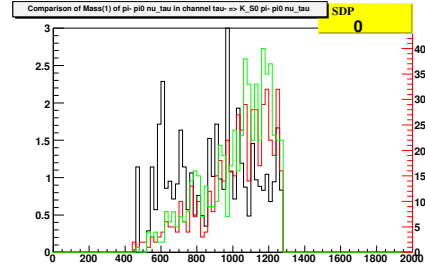
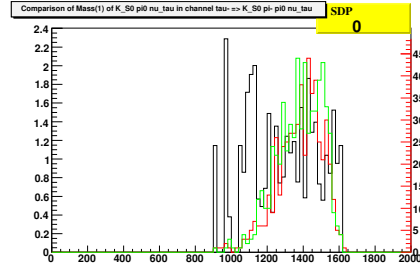
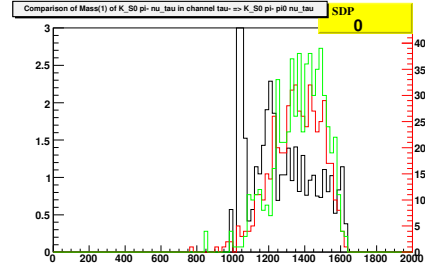
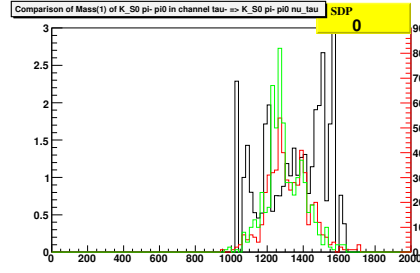
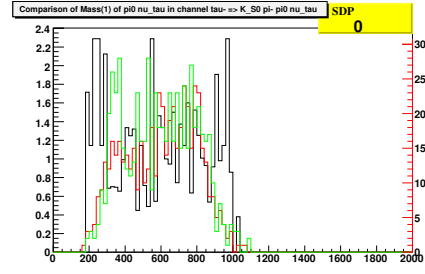
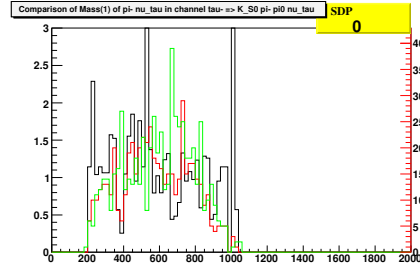
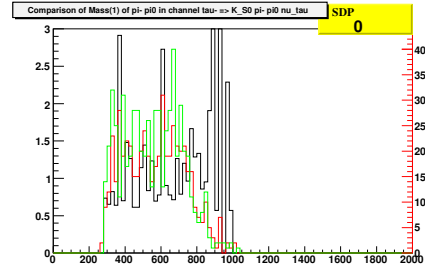
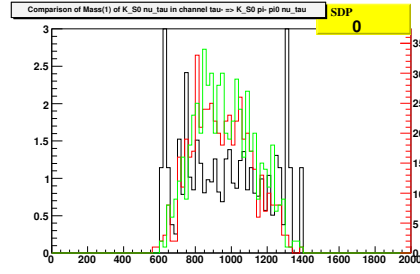


16 Decay Channel: $\tau^- \rightarrow K_S^0 \pi^- \pi^0 \nu_\tau$

Number of events from generator 1: 534

Number of events from generator 2: 611

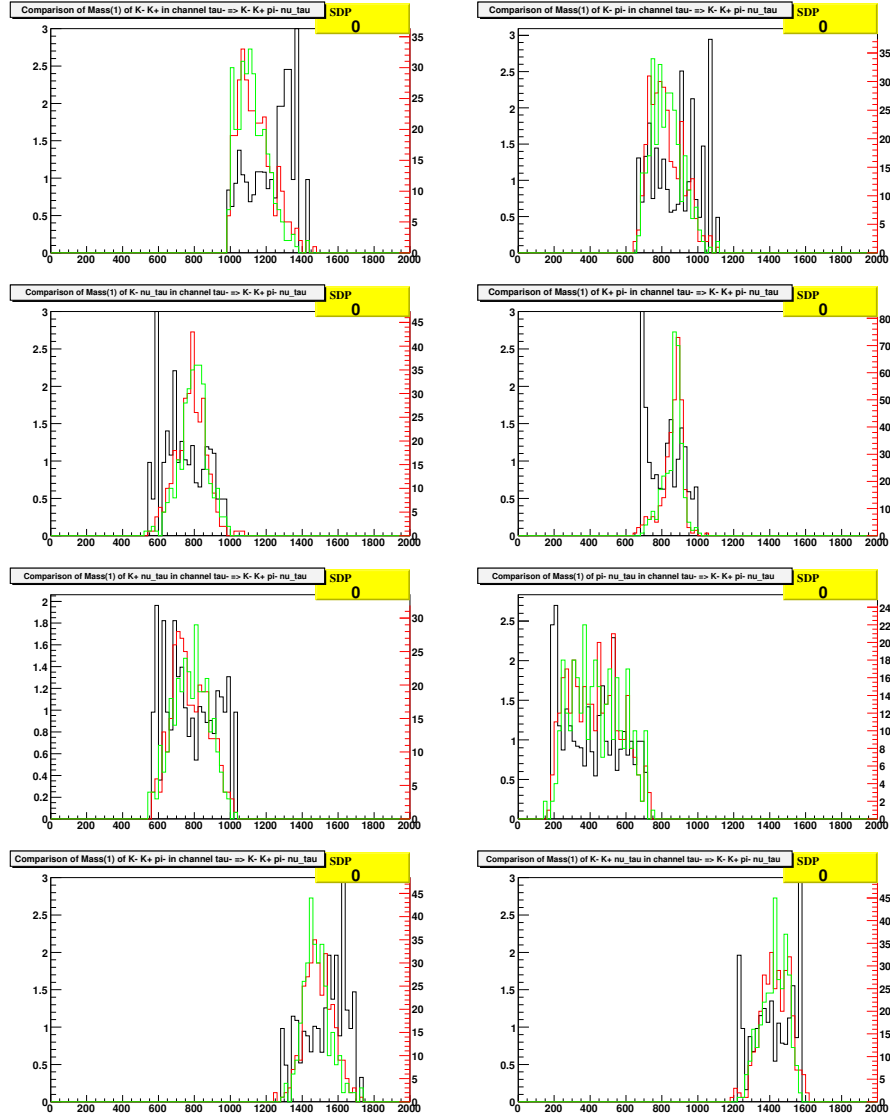


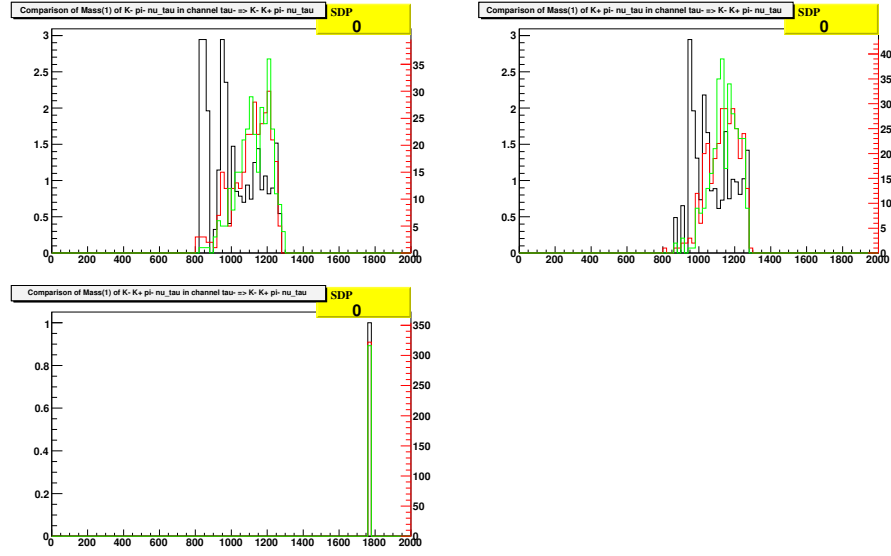


17 Decay Channel: $\tau^- \rightarrow K^- K^+ \pi^- \nu_\tau$

Number of events from **generator 1**: 322

Number of events from **generator 2**: 316

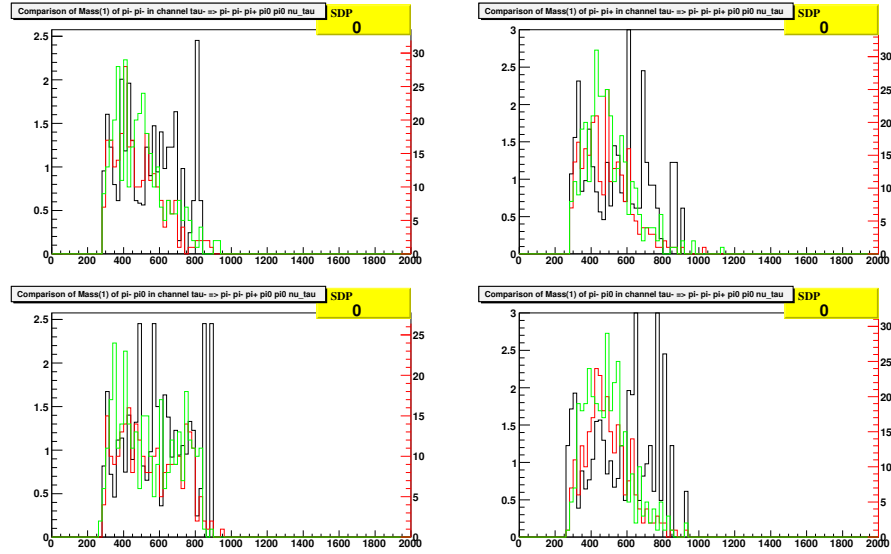


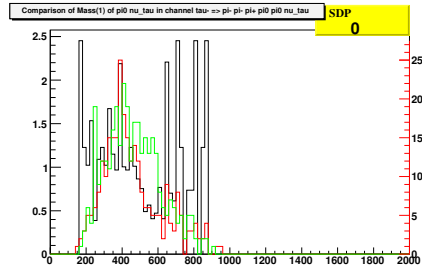
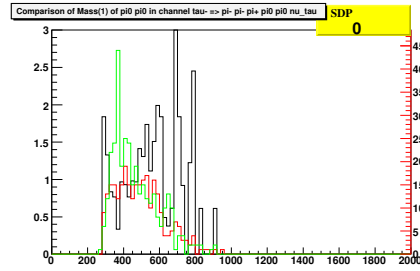
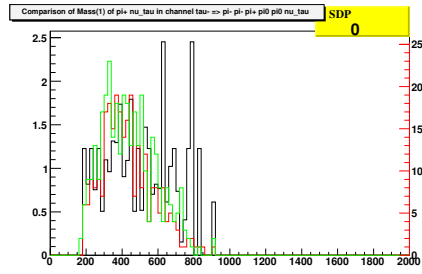
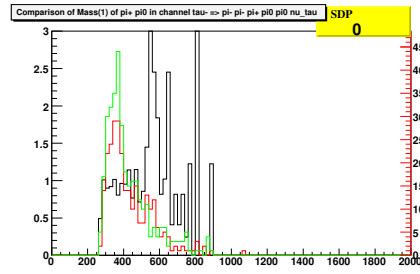
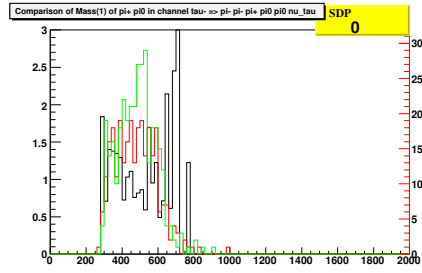
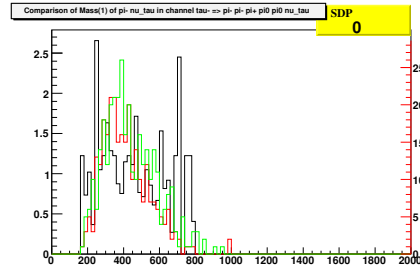
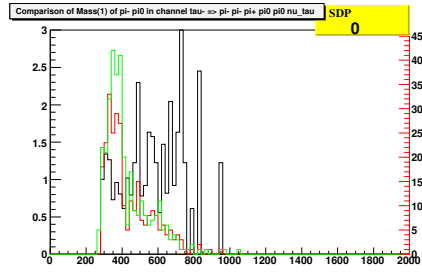
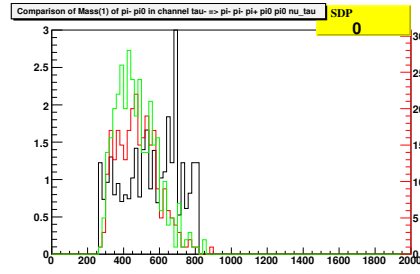
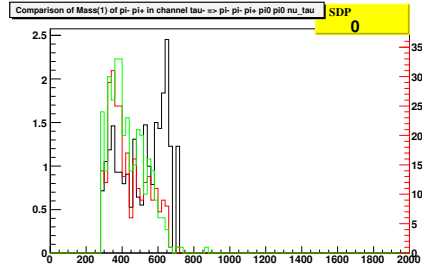
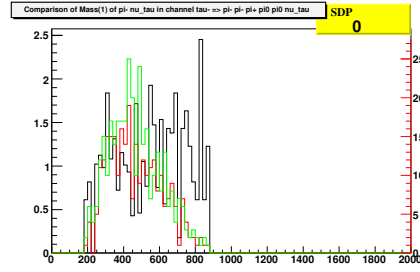


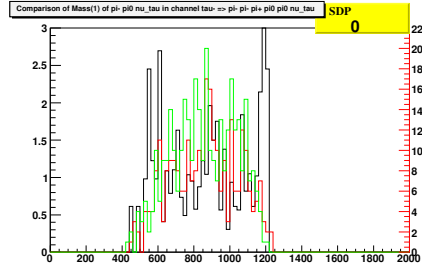
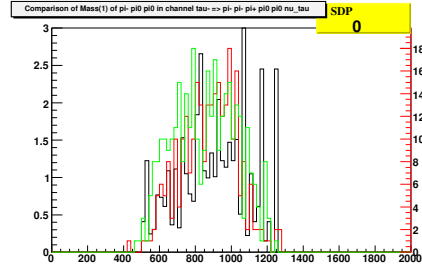
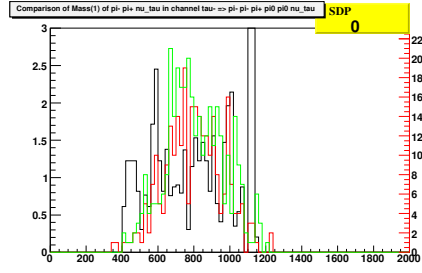
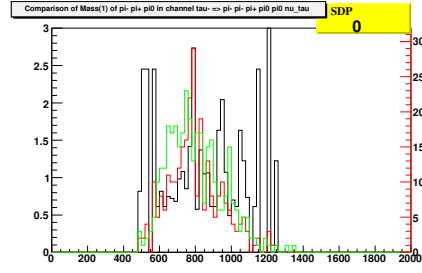
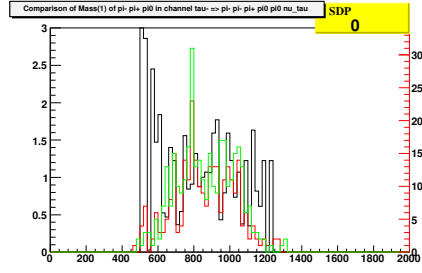
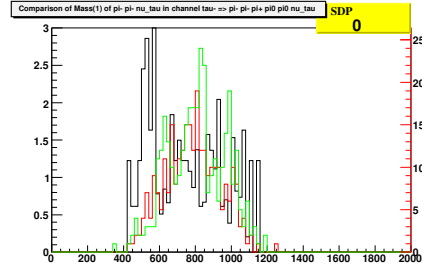
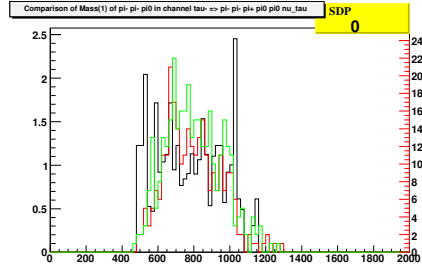
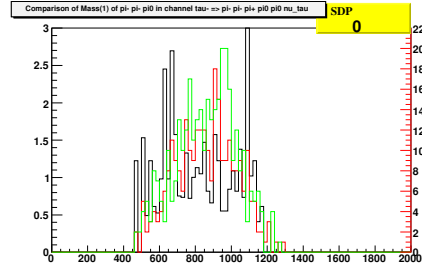
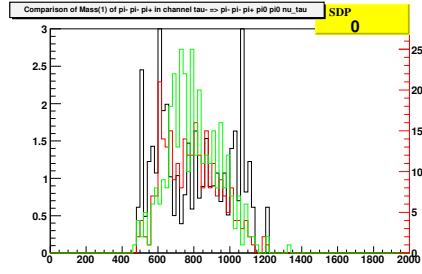
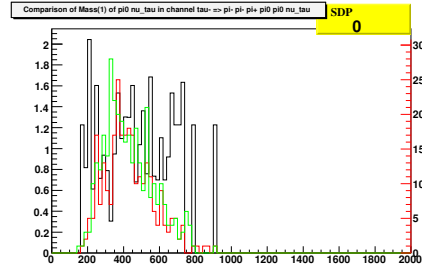
18 Decay Channel: $\tau^- \rightarrow \pi^- \pi^- \pi^+ \pi^0 \pi^0 \nu_\tau$

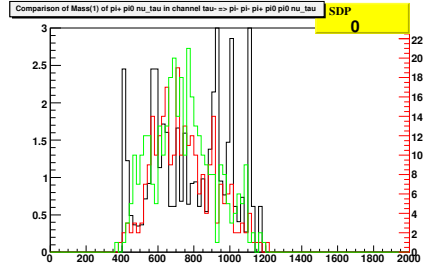
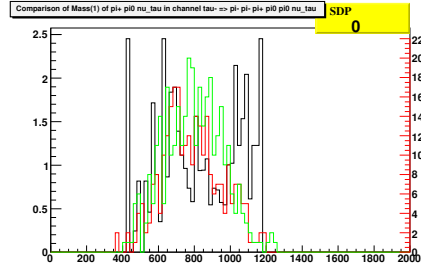
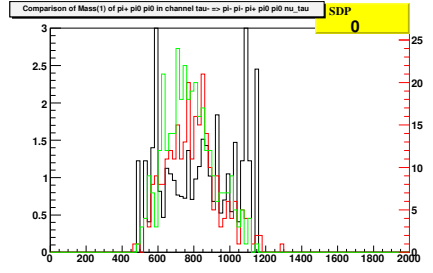
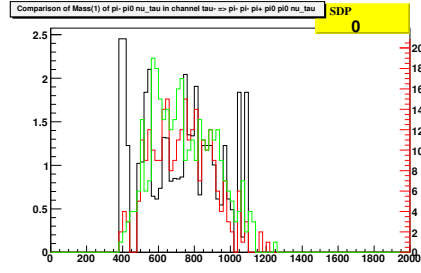
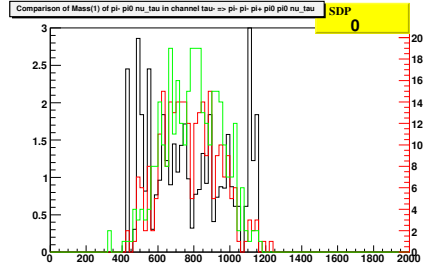
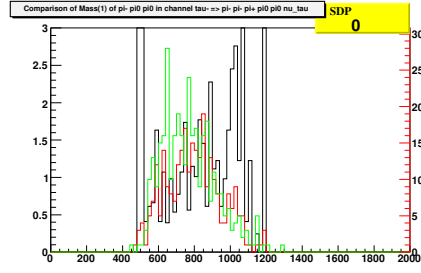
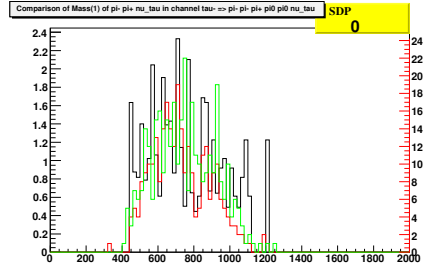
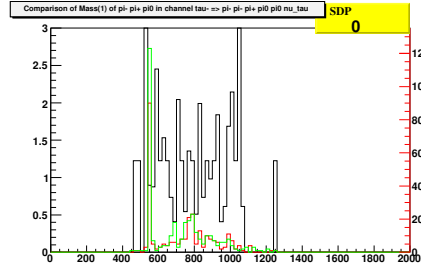
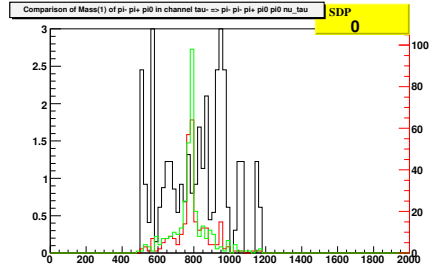
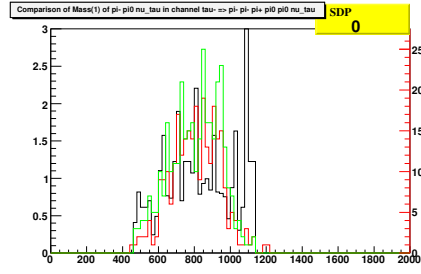
Number of events from **generator 1**: 279

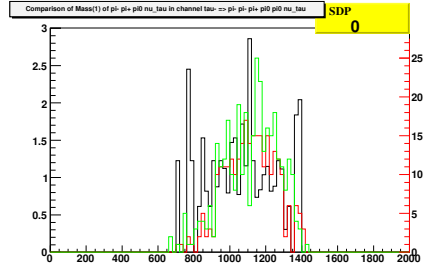
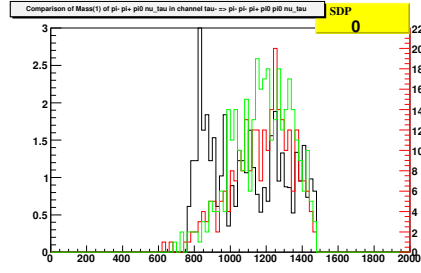
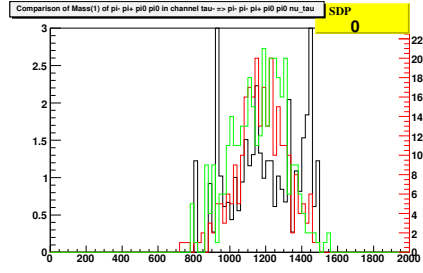
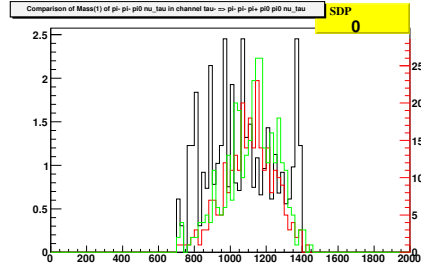
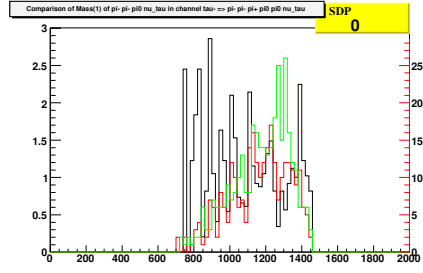
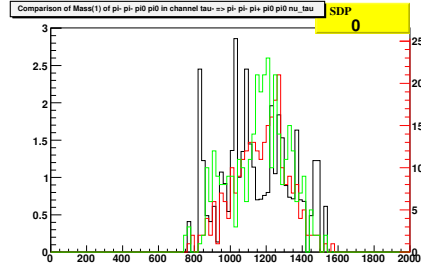
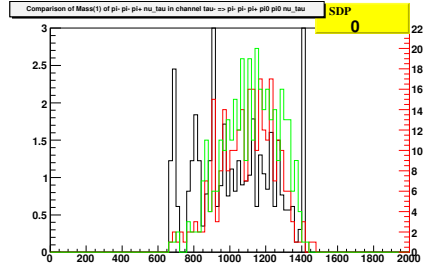
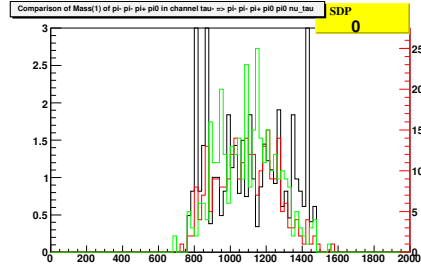
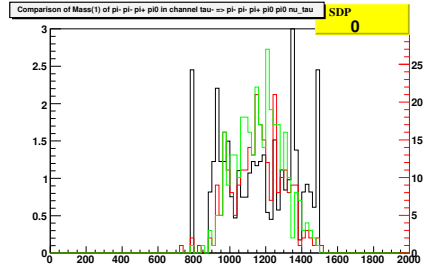
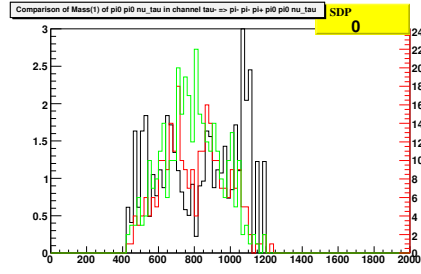
Number of events from **generator 2**: 342

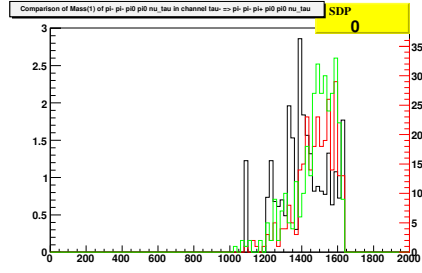
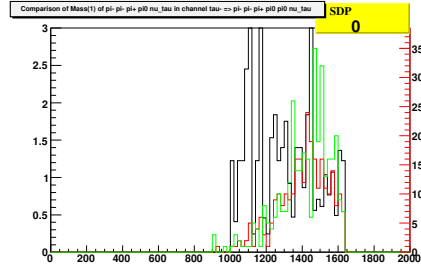
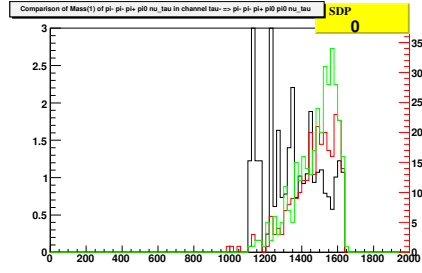
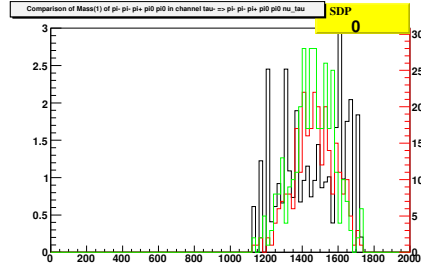
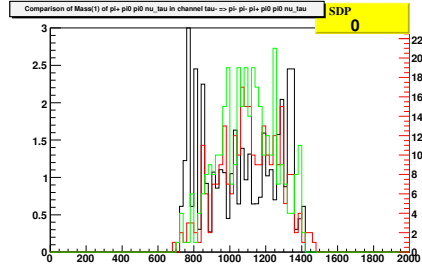
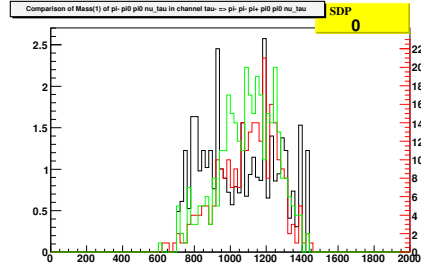
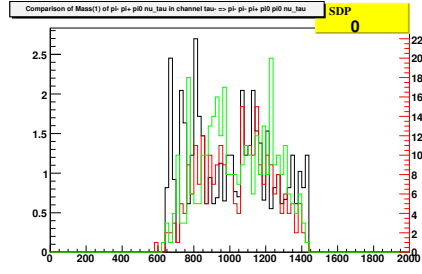
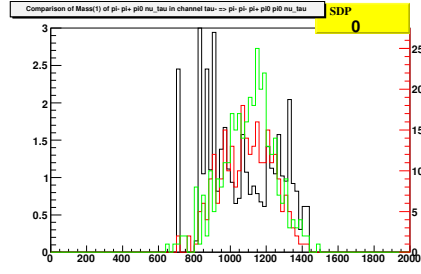
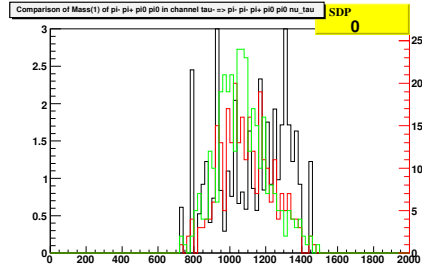
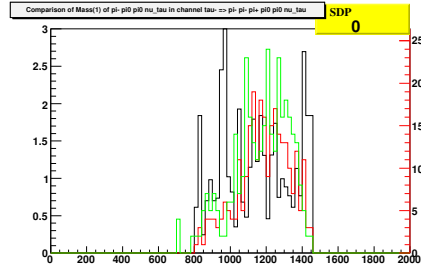


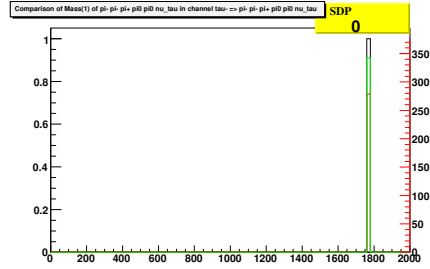
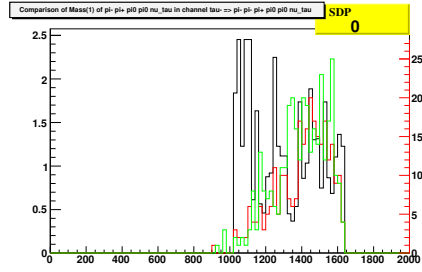
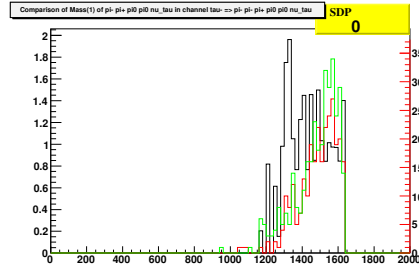








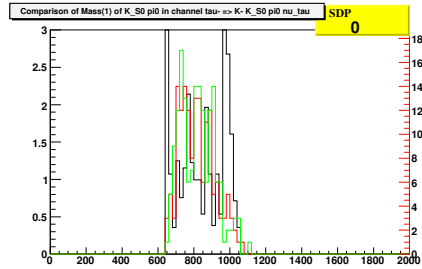
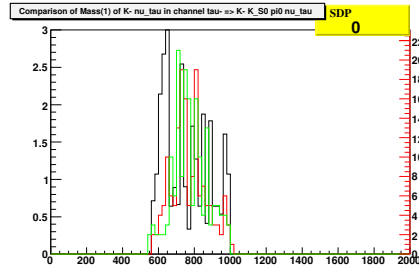
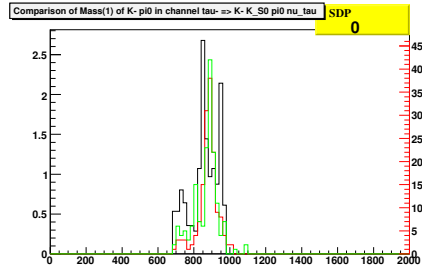
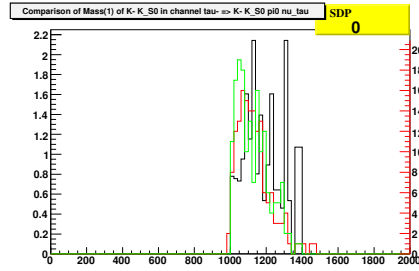


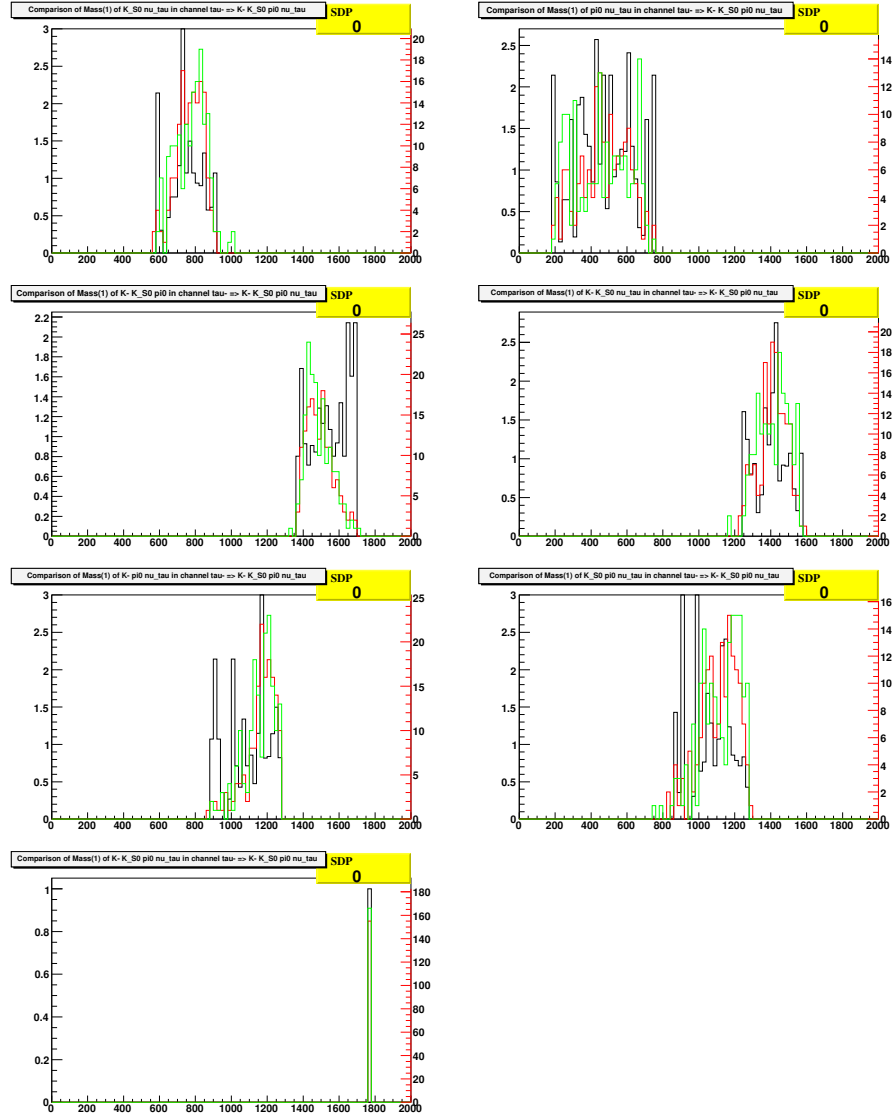


19 Decay Channel: $\tau^- \rightarrow K^- K_S^0 \pi^0 \nu_\tau$

Number of events from **generator 1**: 155

Number of events from **generator 2**: 166

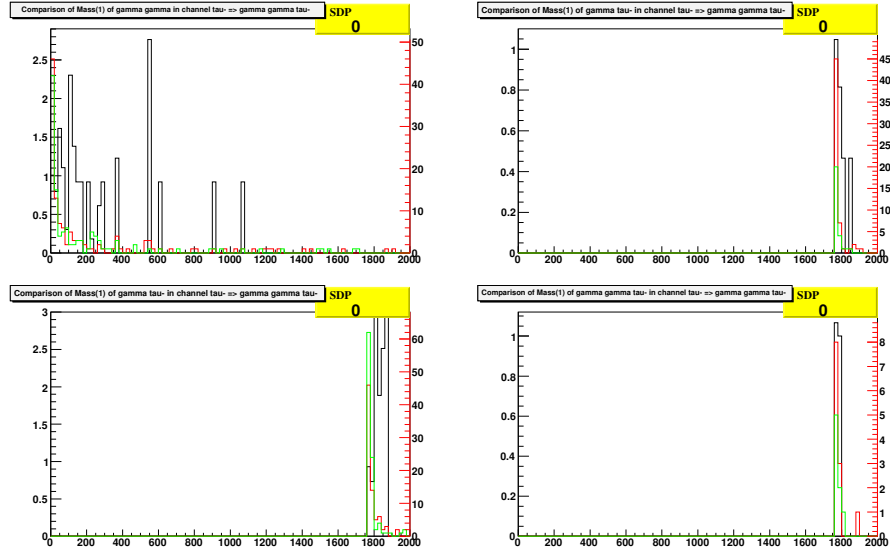




20 Decay Channel: $\tau^- \rightarrow \gamma\gamma\tau^-$

Number of events from generator 1: 135

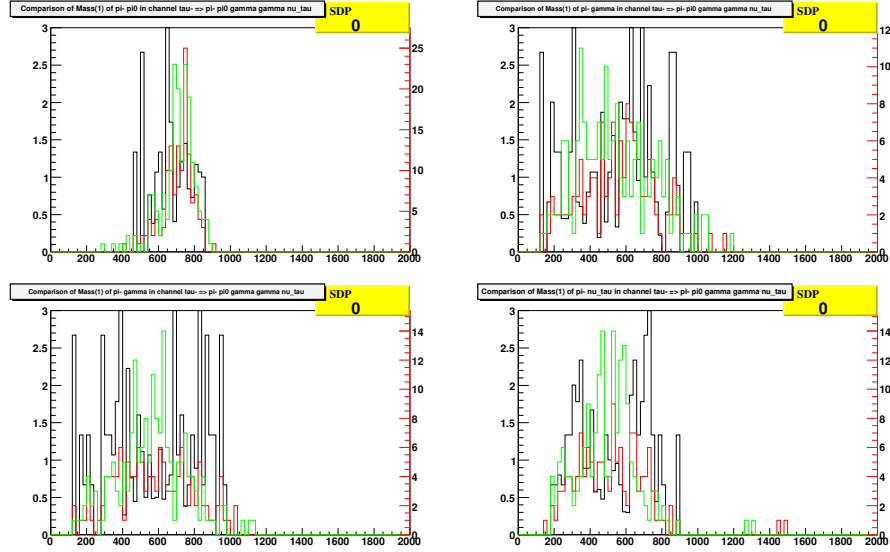
Number of events from generator 2: 130

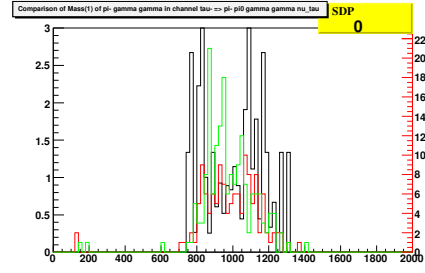
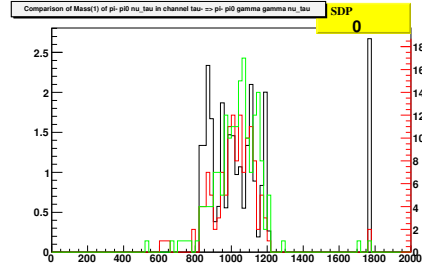
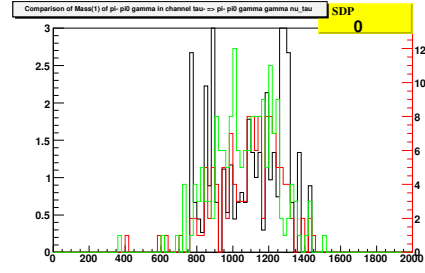
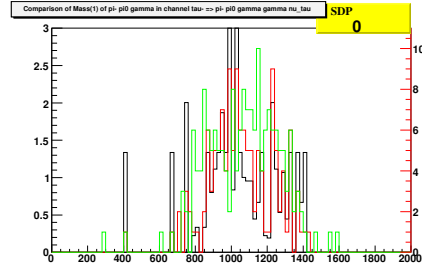
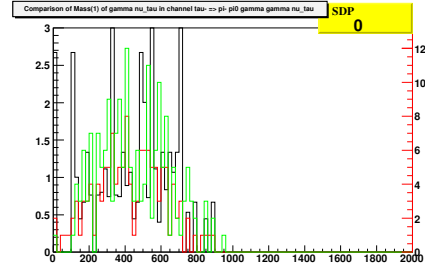
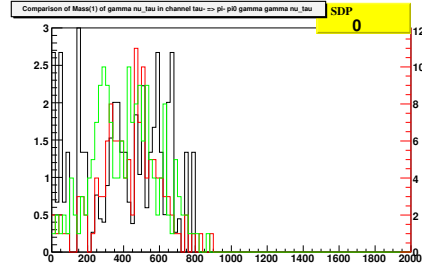
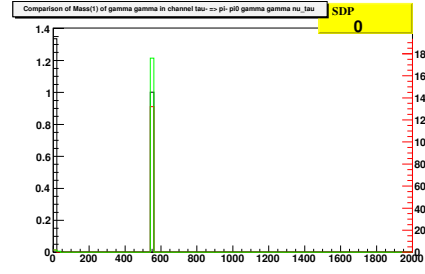
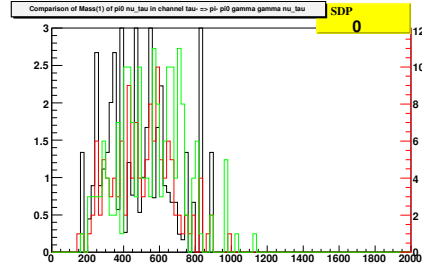
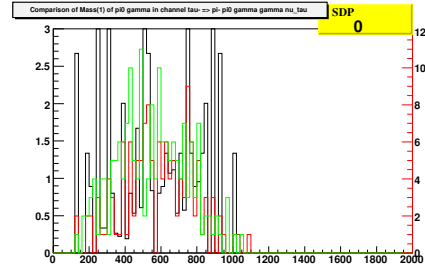
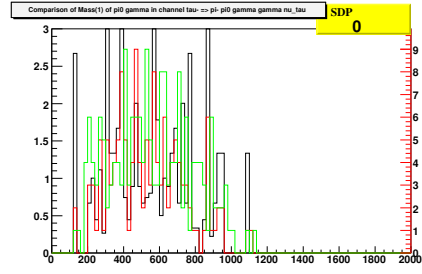


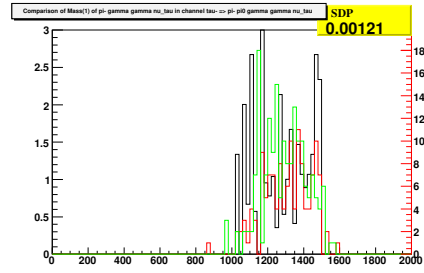
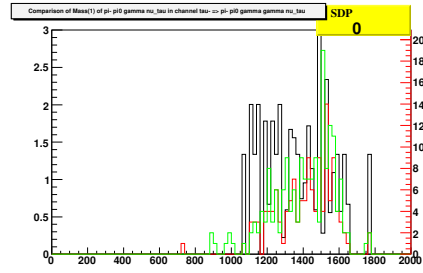
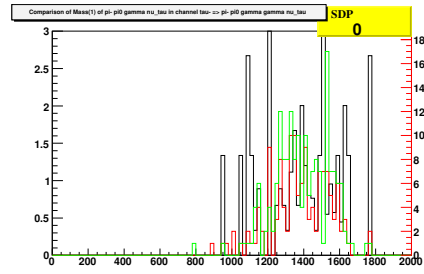
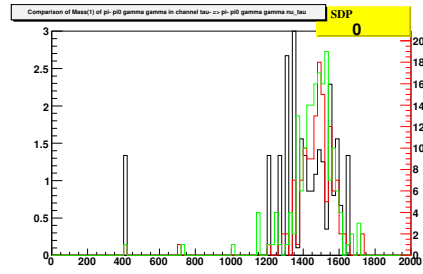
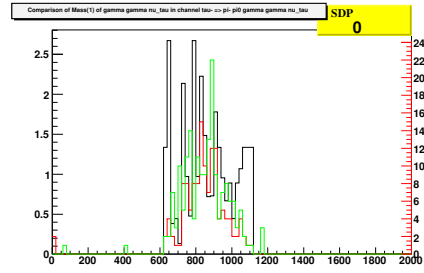
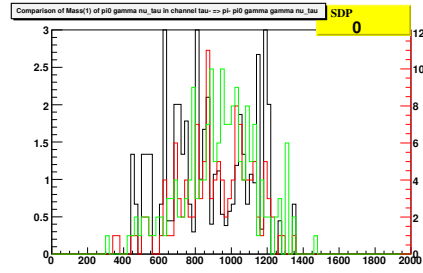
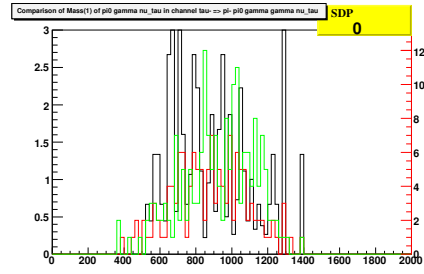
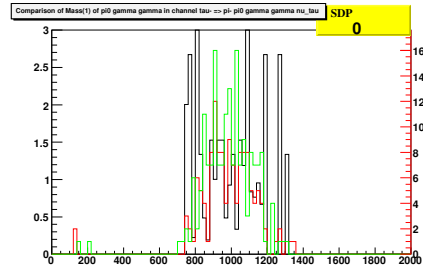
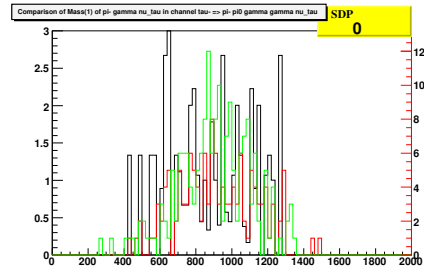
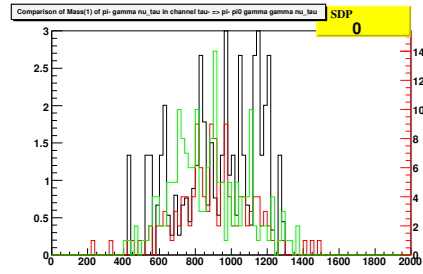
21 Decay Channel: $\tau^- \rightarrow \pi^- \pi^0 \gamma \nu_\tau$

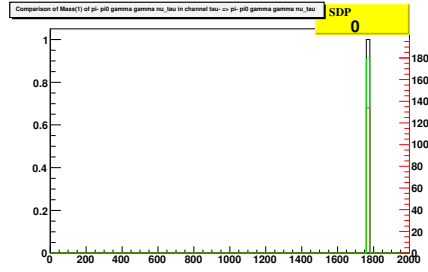
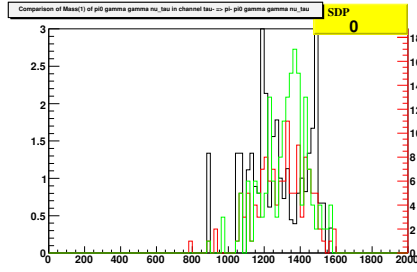
Number of events from generator 1: 134

Number of events from generator 2: 179





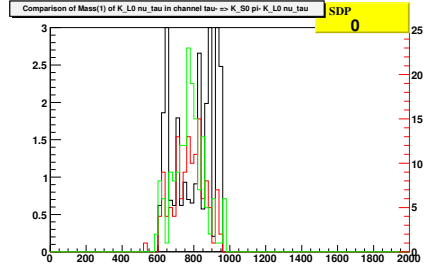
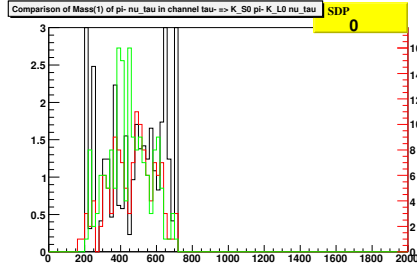
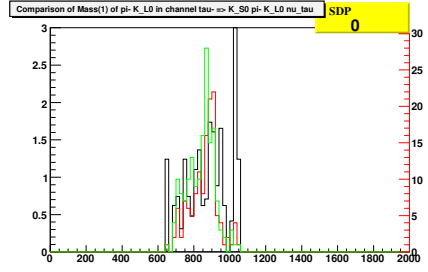
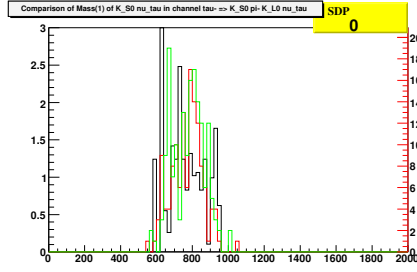
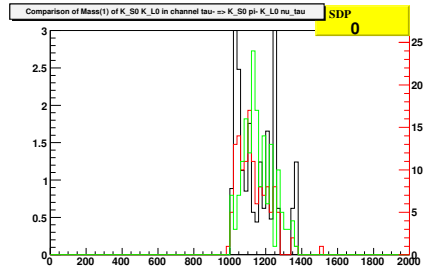
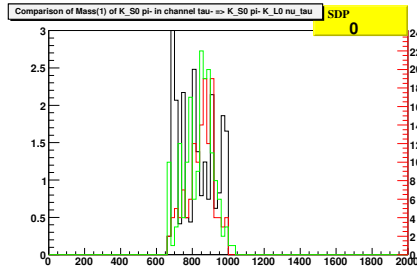


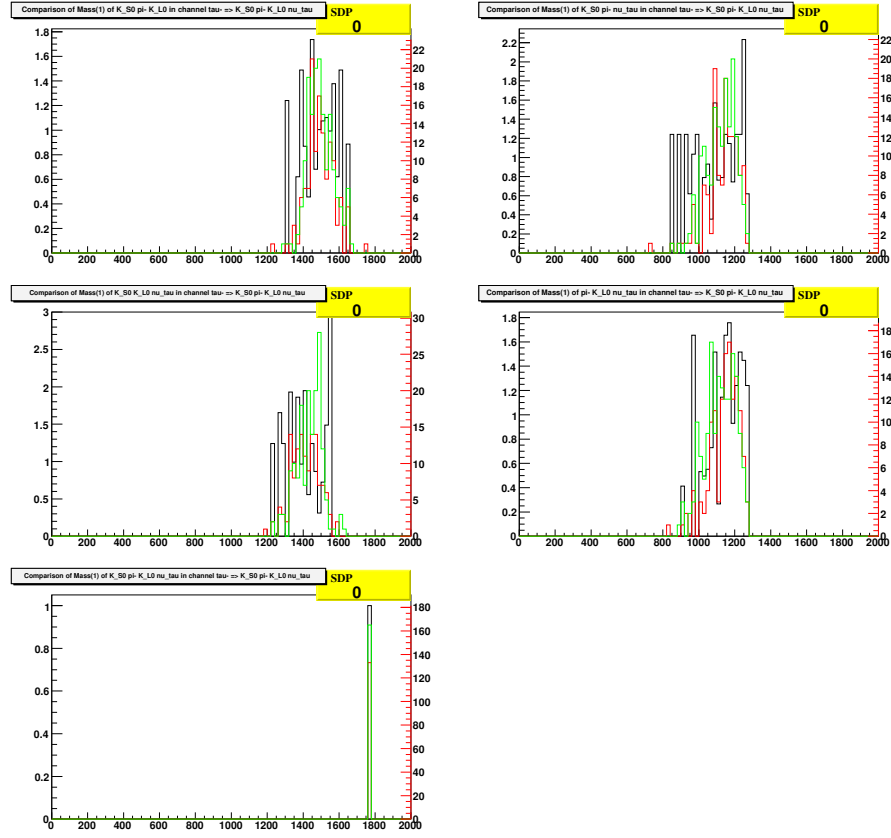


22 Decay Channel: $\tau^- \rightarrow K_S^0 \pi^- K_L^0 \nu_\tau$

Number of events from **generator 1**: 133

Number of events from **generator 2**: 165

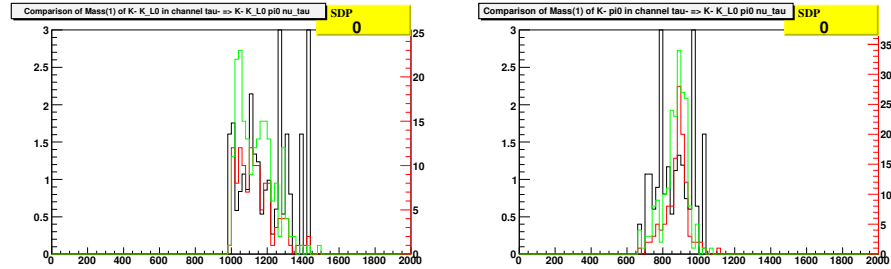


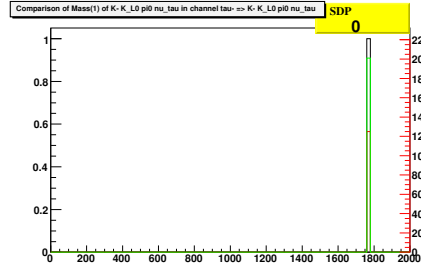
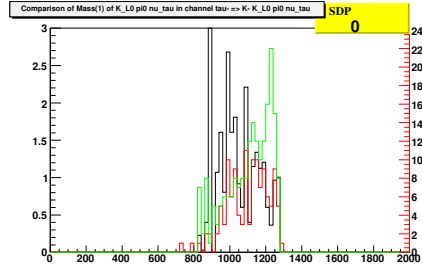
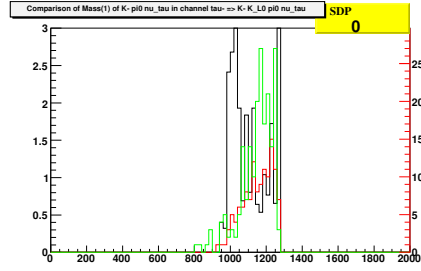
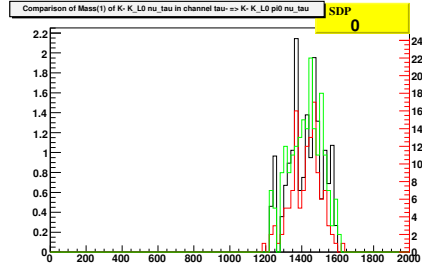
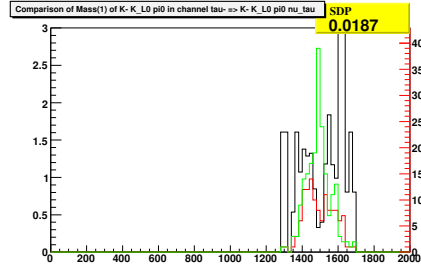
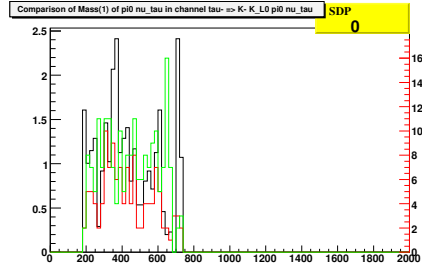
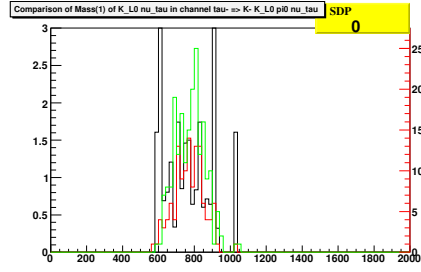
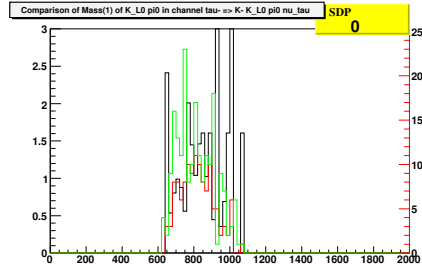
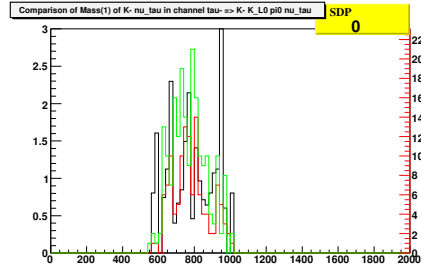


23 Decay Channel: $\tau^- \rightarrow K^- K_L^0 \pi^0 \nu_\tau$

Number of events from generator 1: 125

Number of events from generator 2: 201

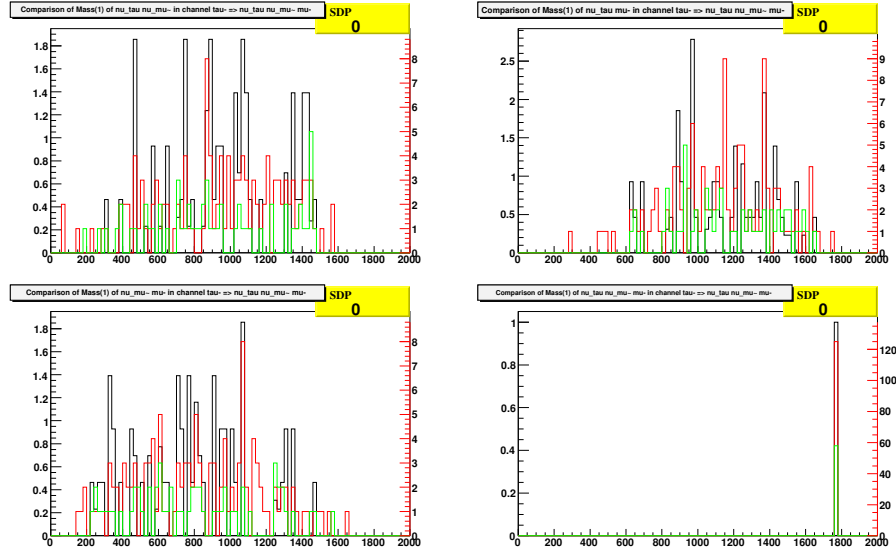




24 Decay Channel: $\tau^- \rightarrow \nu_\tau \tilde{\nu}_\mu \mu^-$

Number of events from **generator 1**: 125

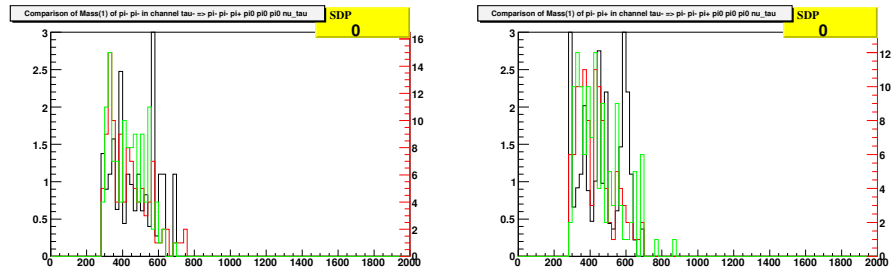
Number of events from **generator 2**: 58

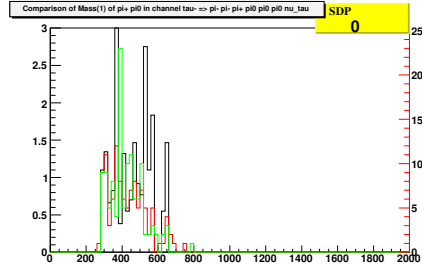
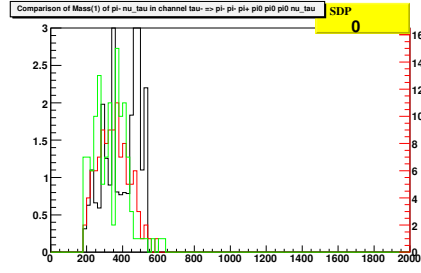
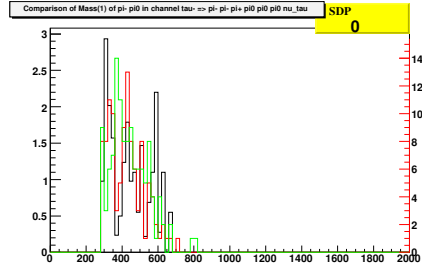
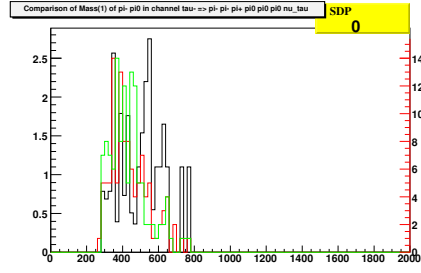
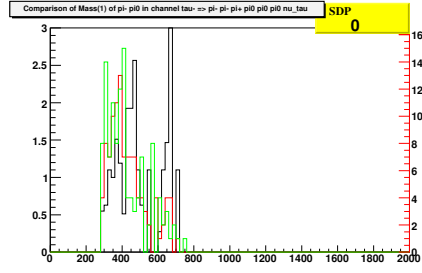
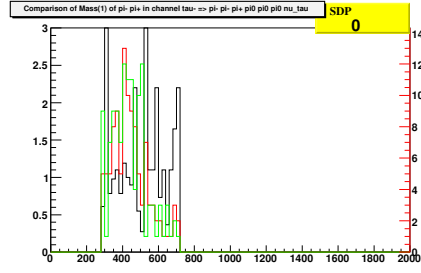
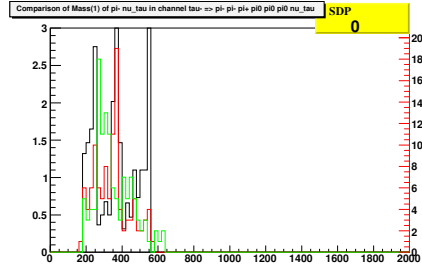
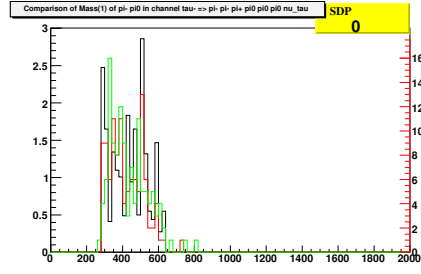
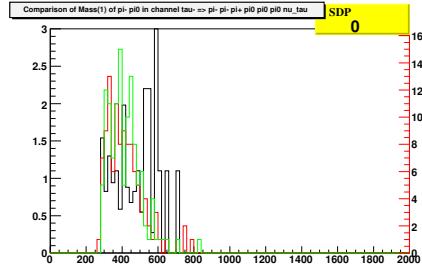
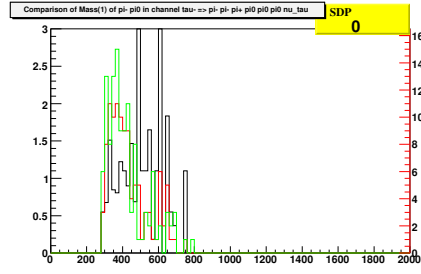


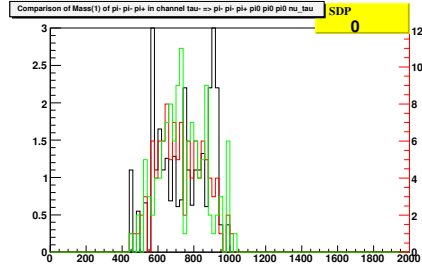
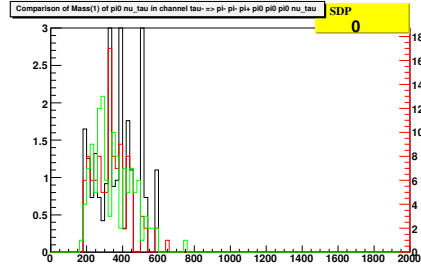
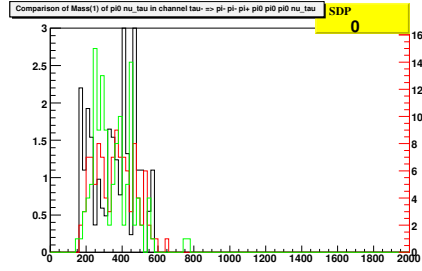
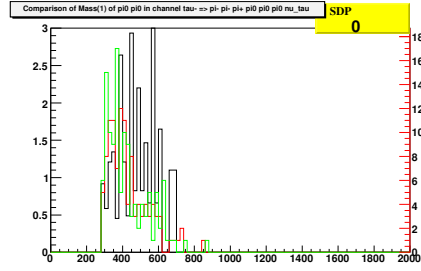
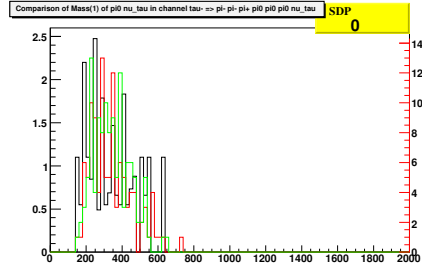
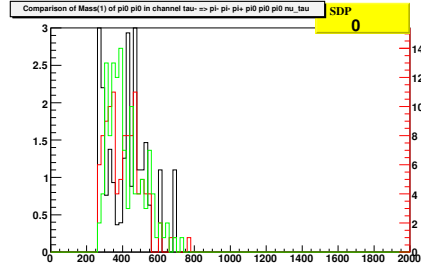
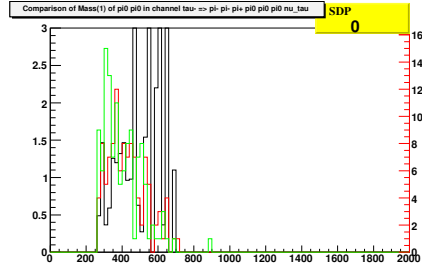
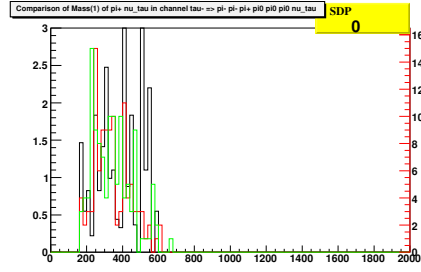
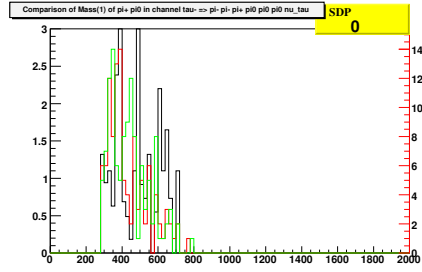
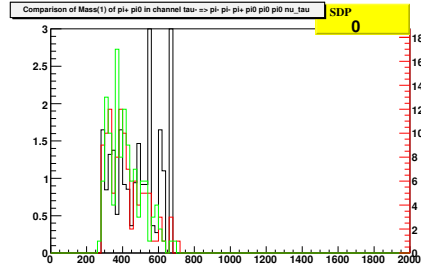
25 Decay Channel: $\tau^- \rightarrow \pi^- \pi^- \pi^+ \pi^0 \pi^0 \pi^0 \nu_\tau$

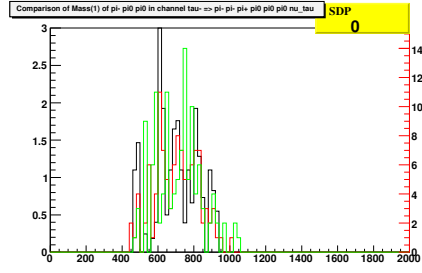
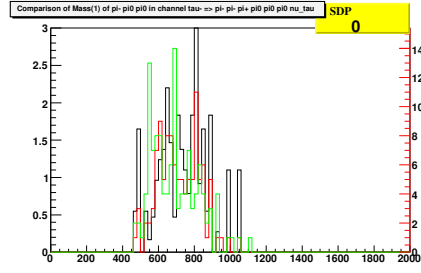
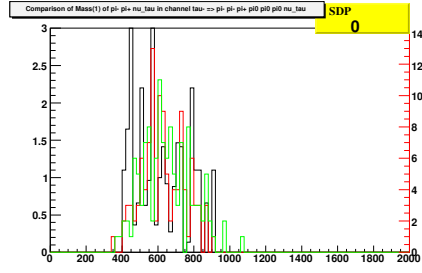
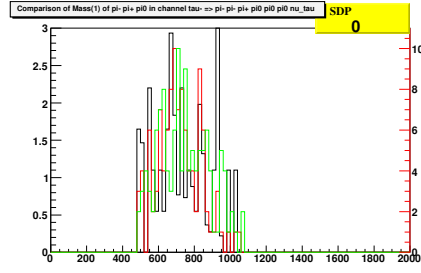
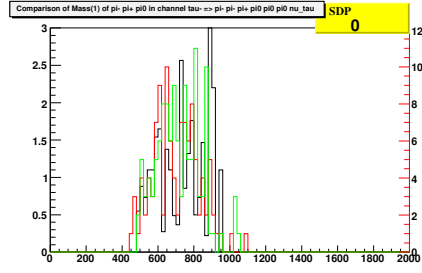
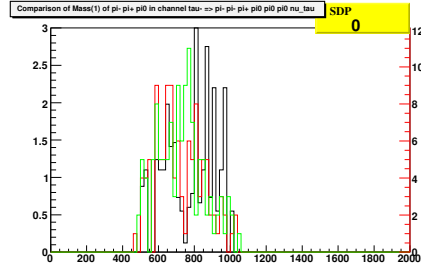
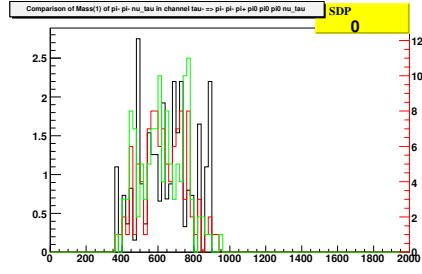
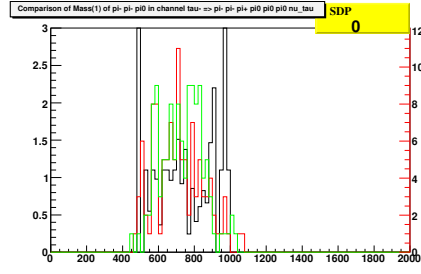
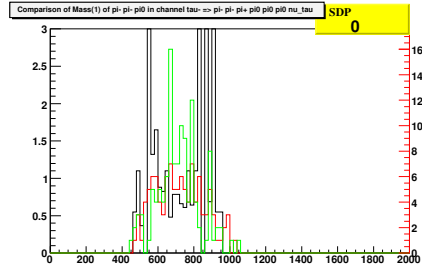
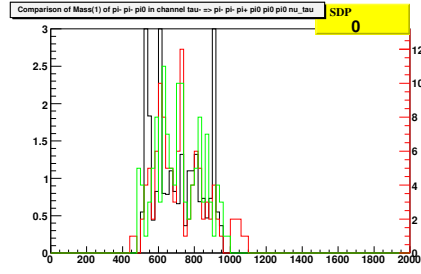
Number of events from **generator 1**: 110

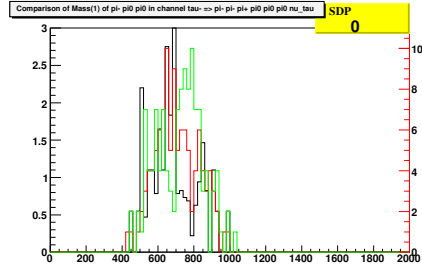
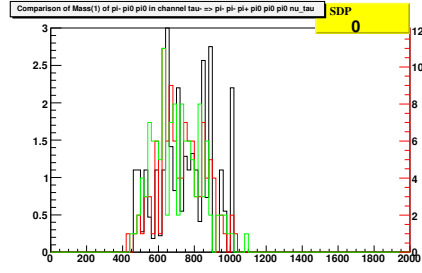
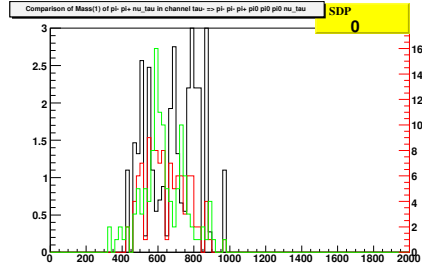
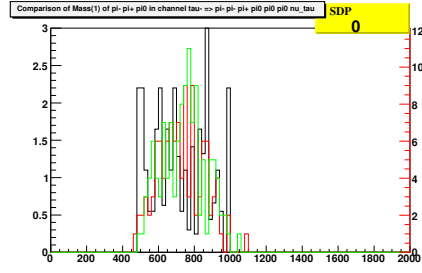
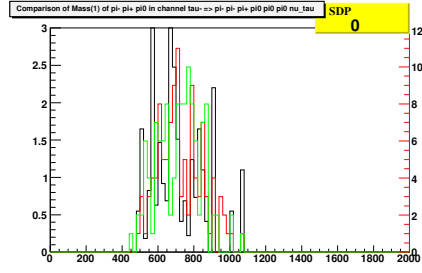
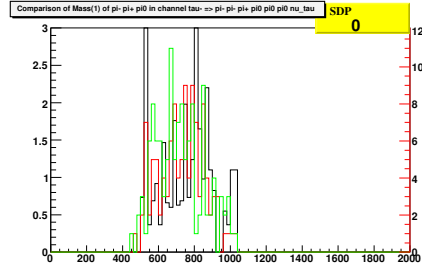
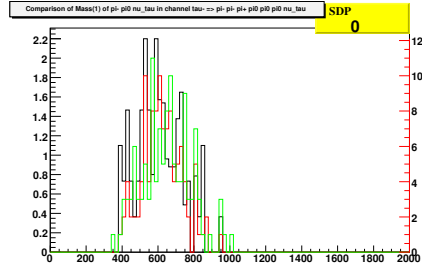
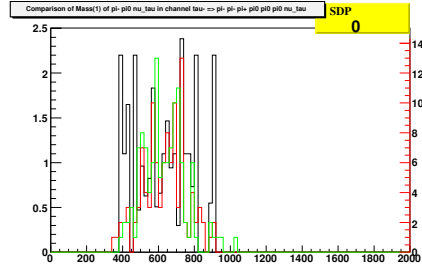
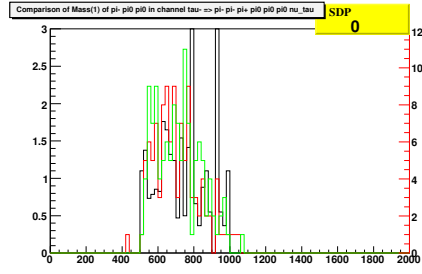
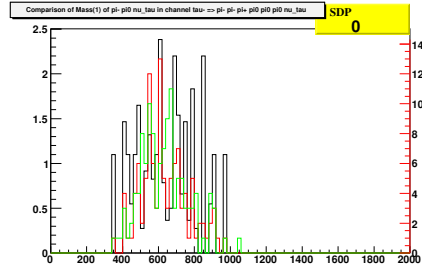
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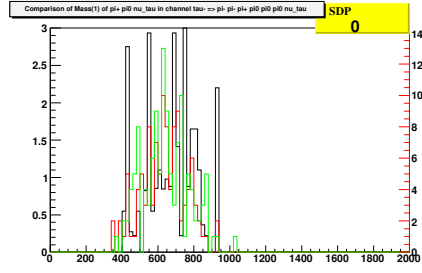
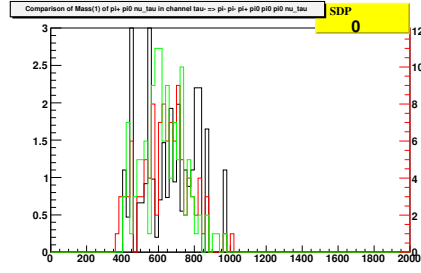
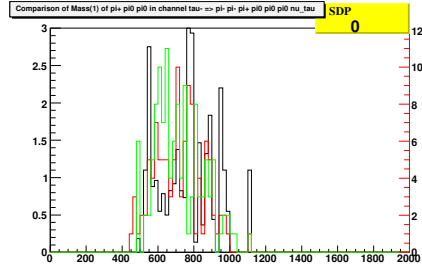
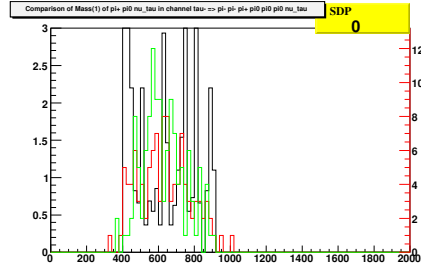
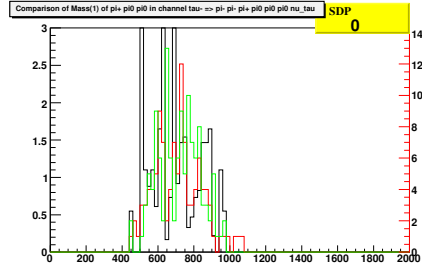
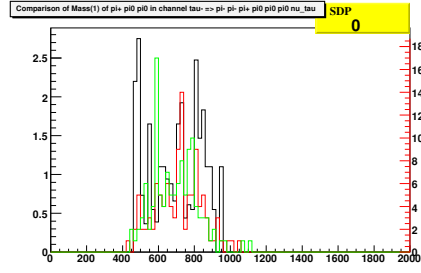
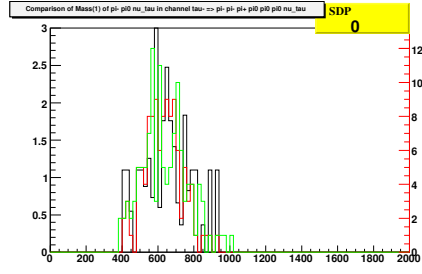
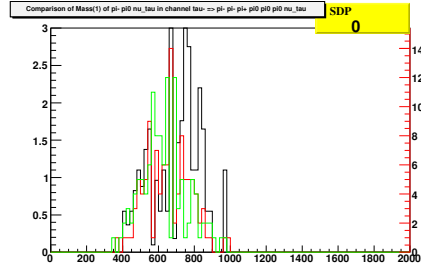
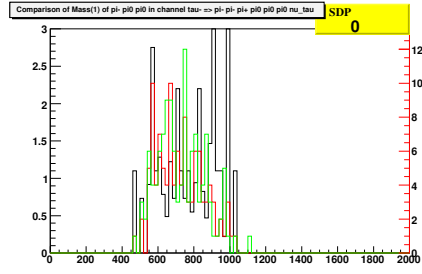
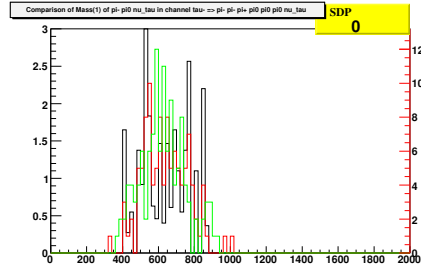


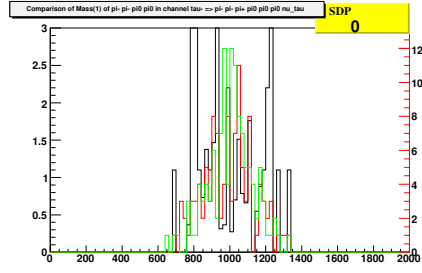
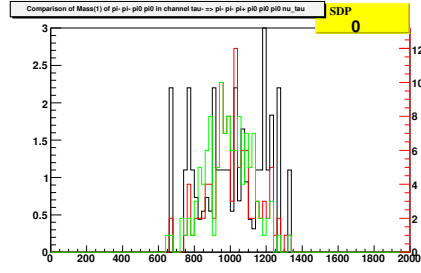
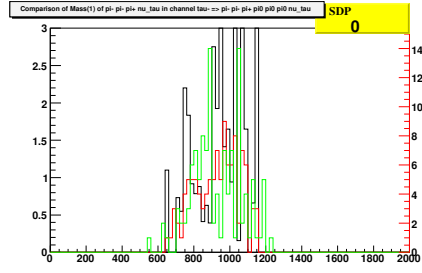
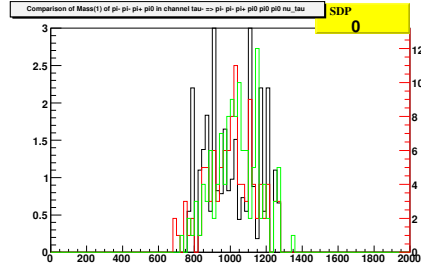
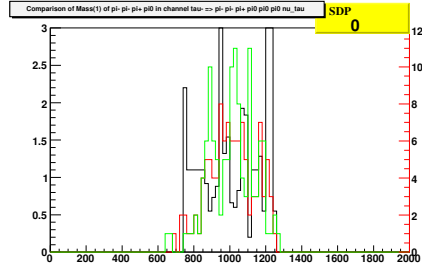
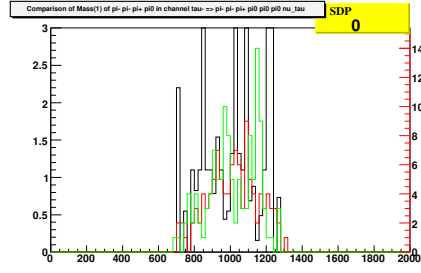
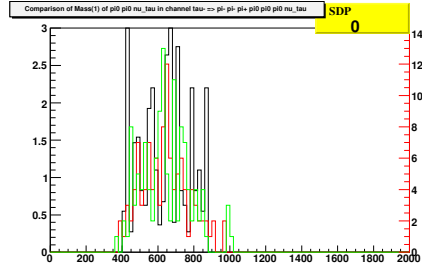
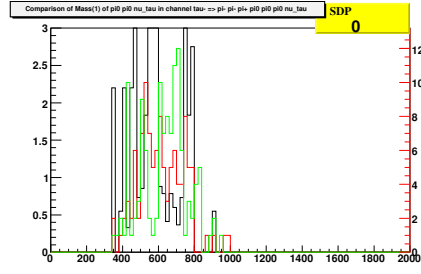
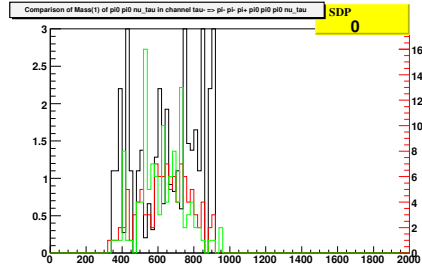
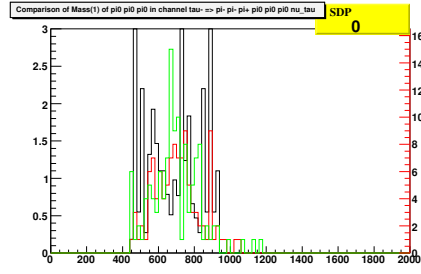


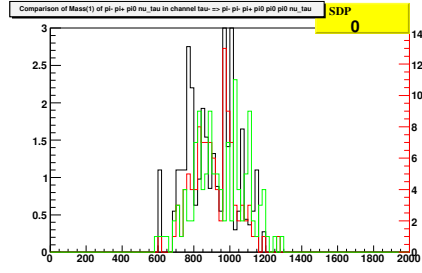
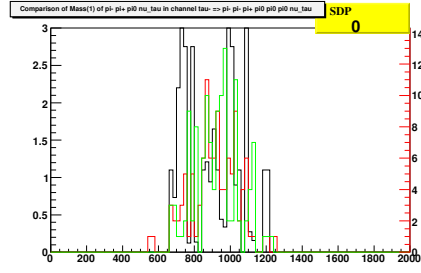
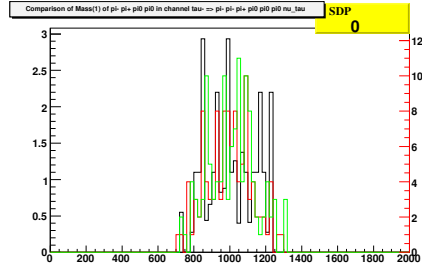
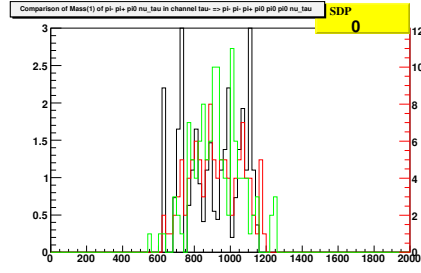
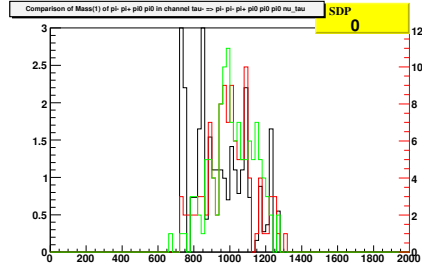
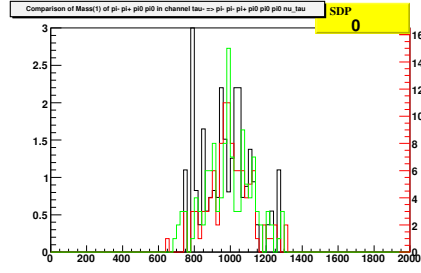
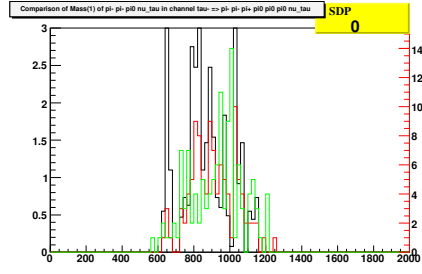
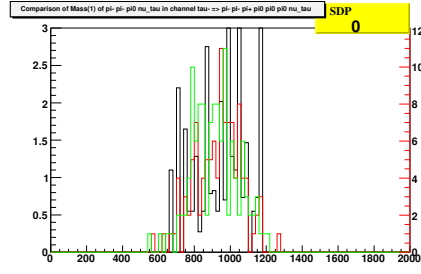
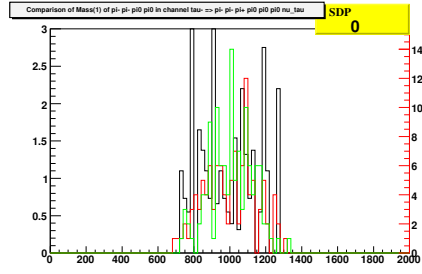
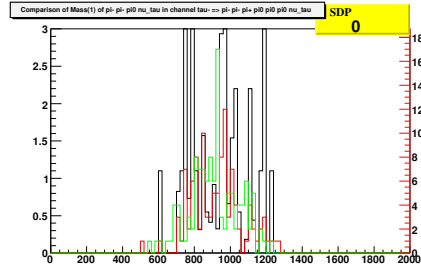


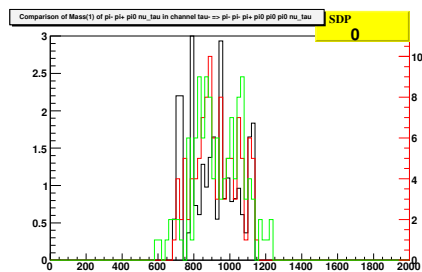
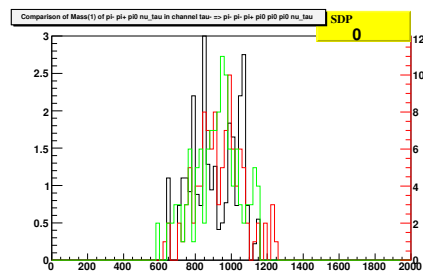
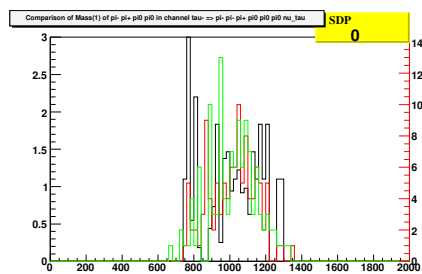
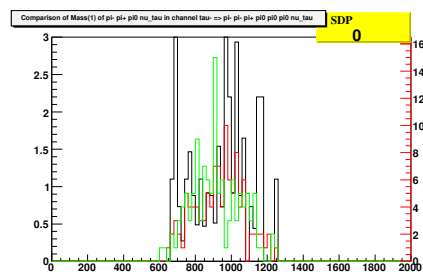
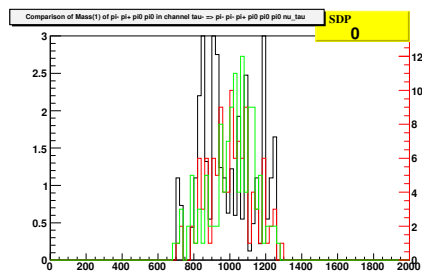
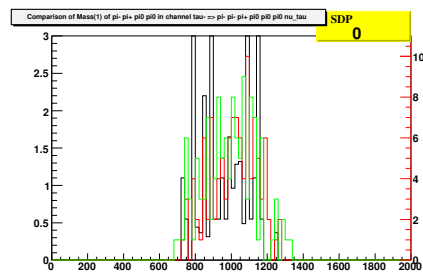
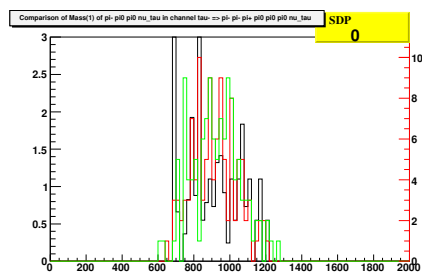
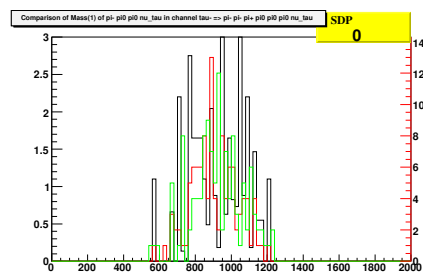
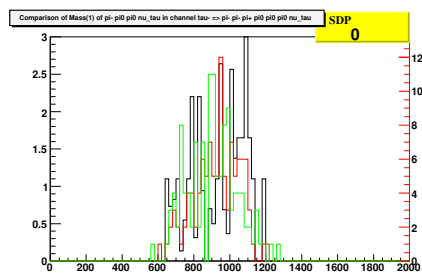
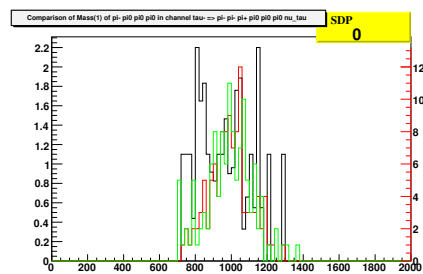


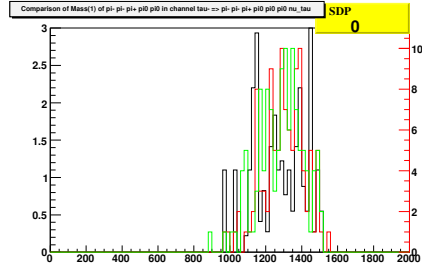
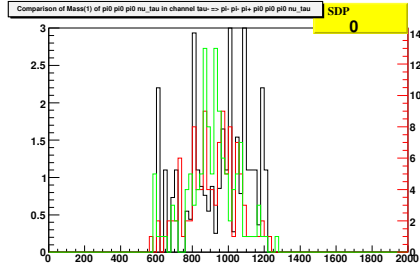
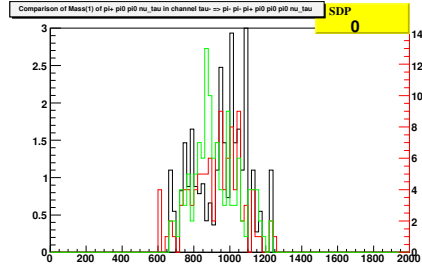
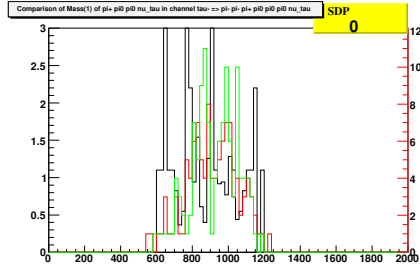
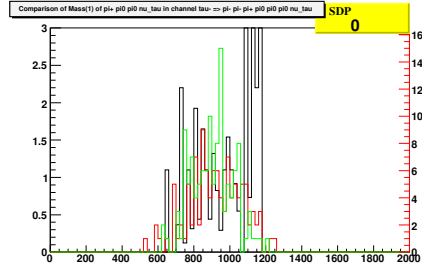
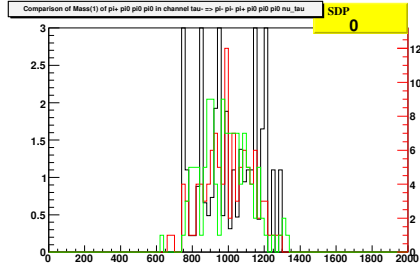
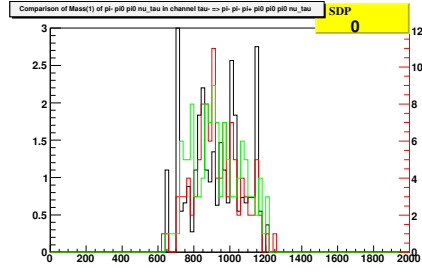
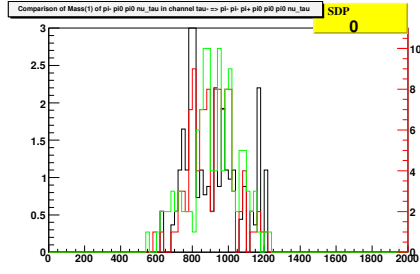
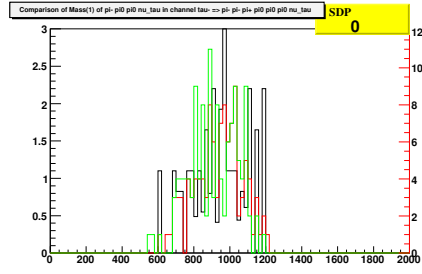
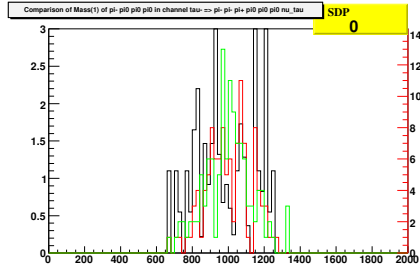


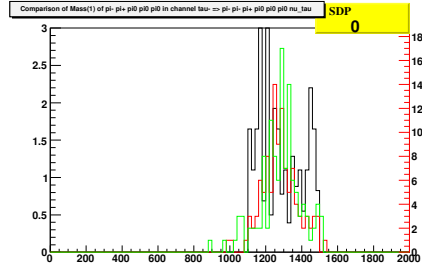
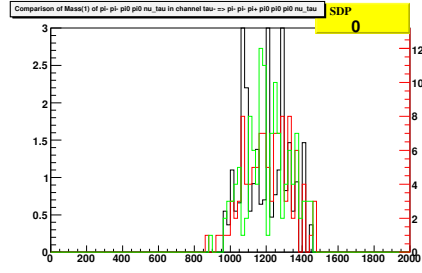
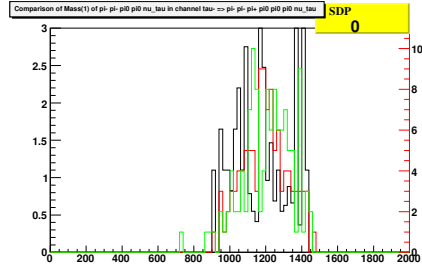
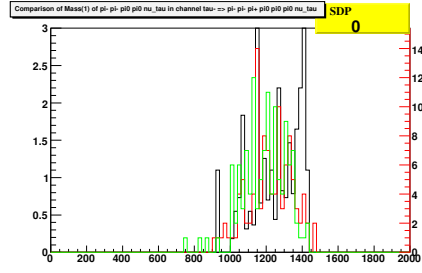
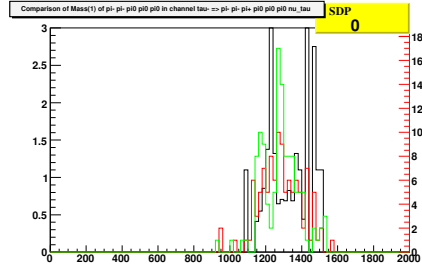
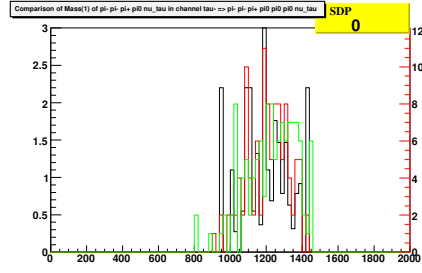
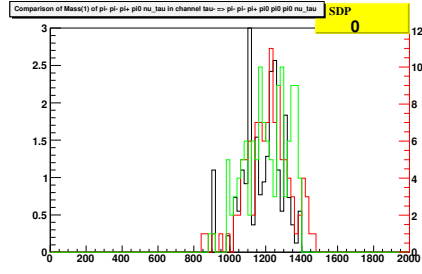
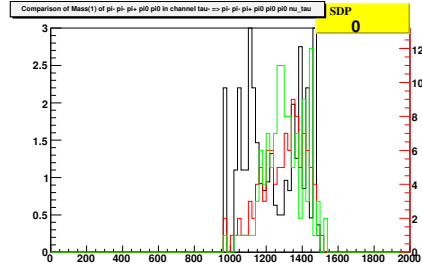
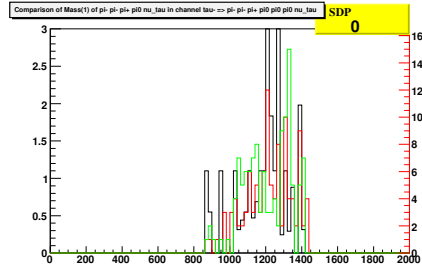
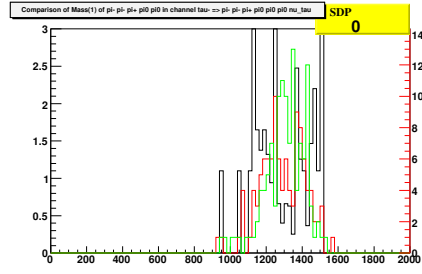


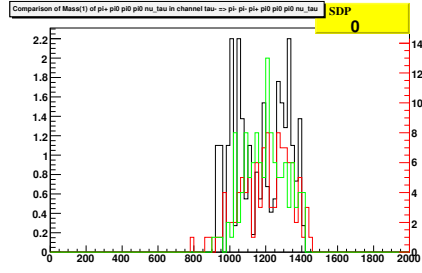
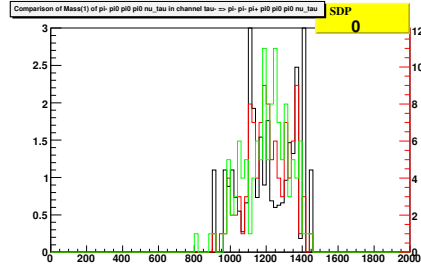
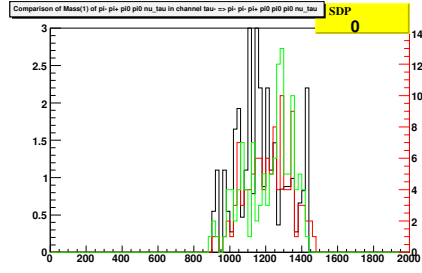
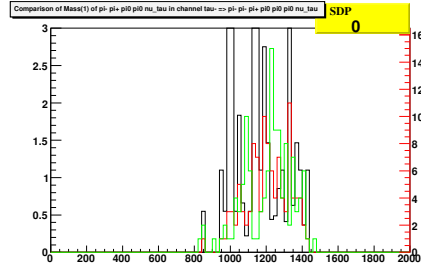
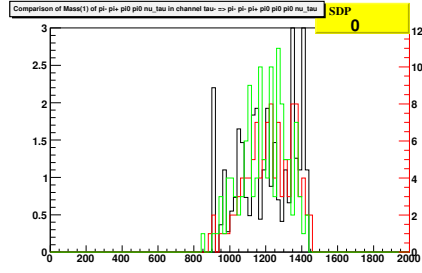
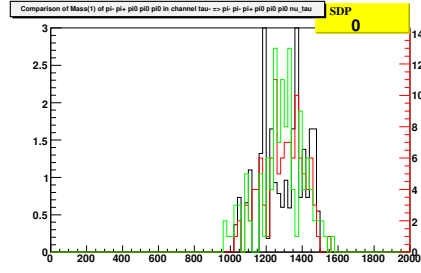
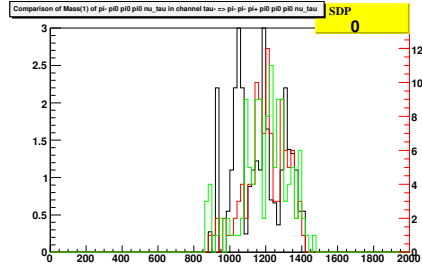
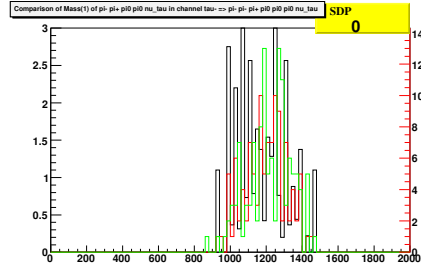
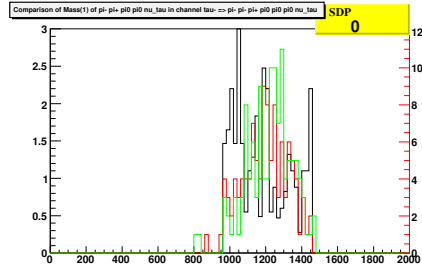
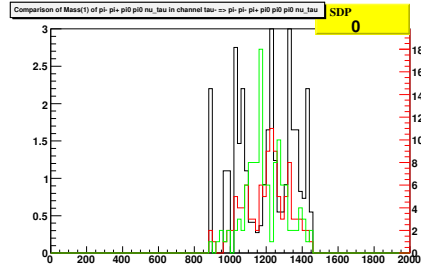


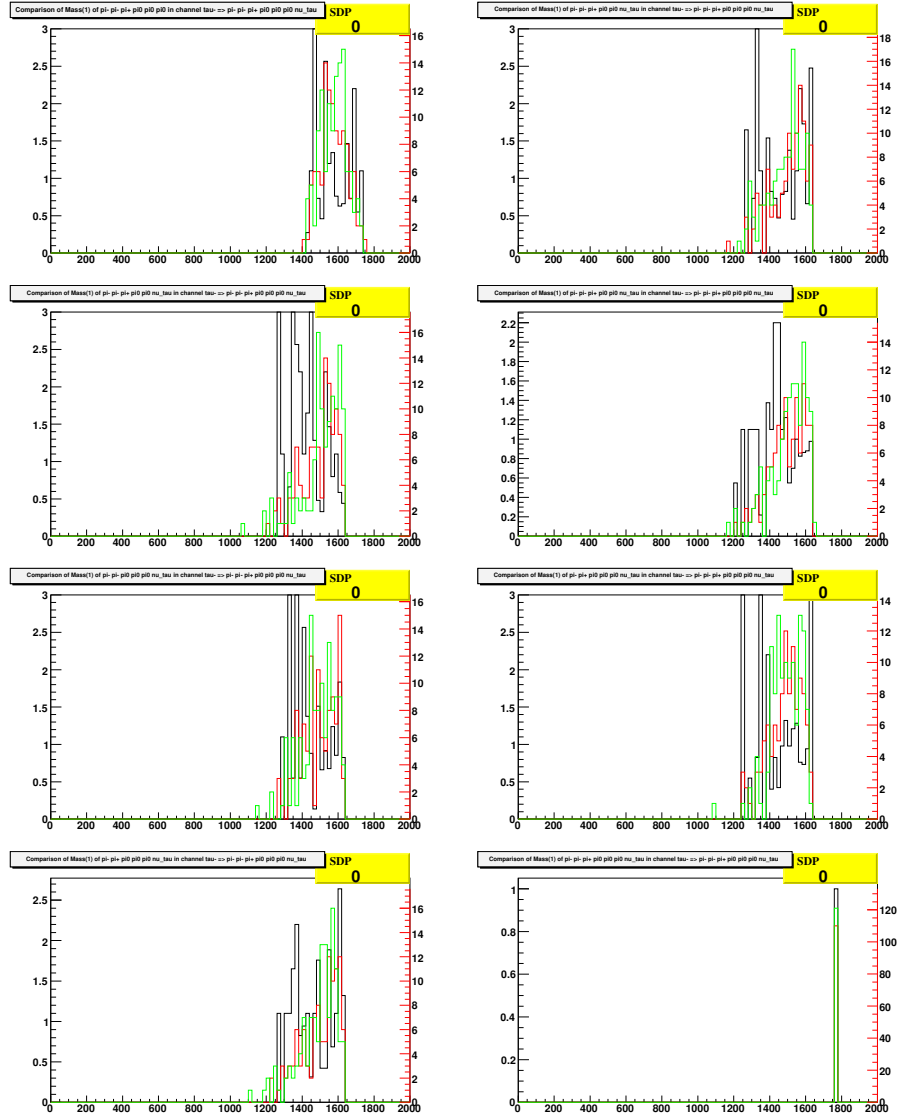








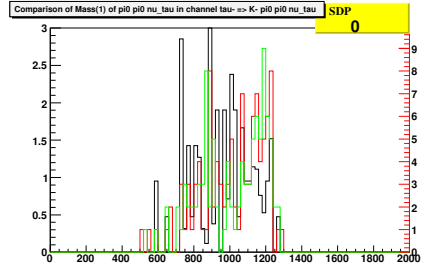
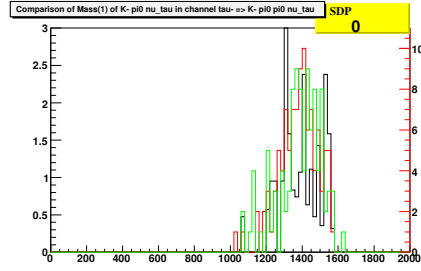
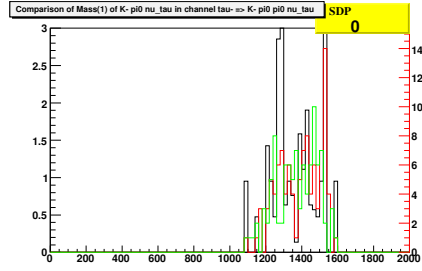
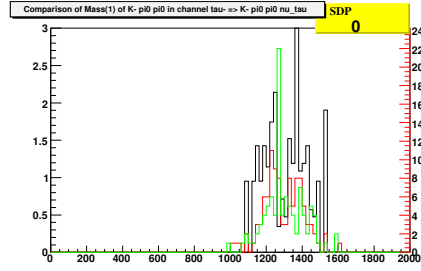
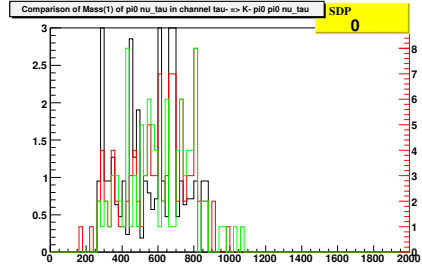
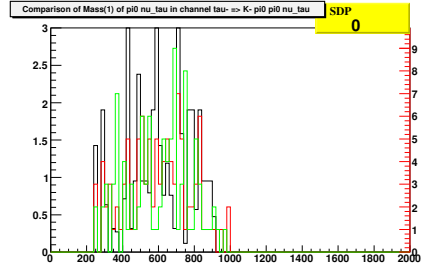
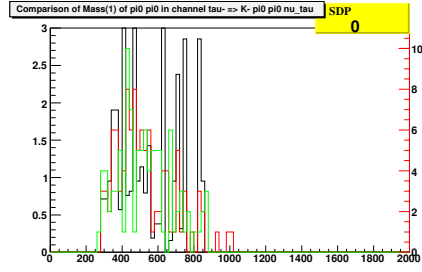
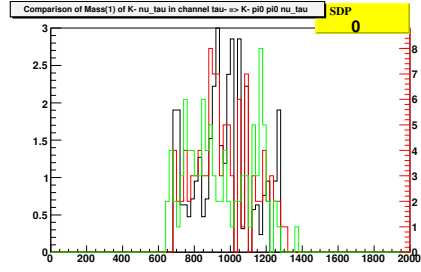
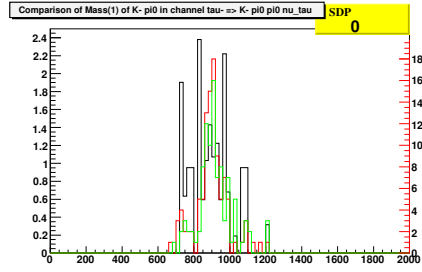
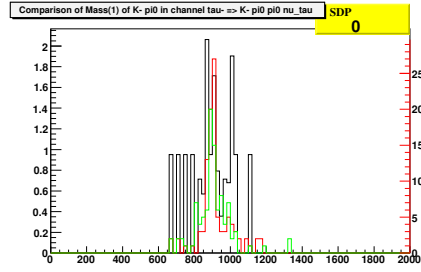


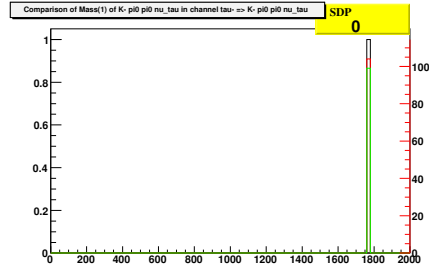


26 Decay Channel: $\tau^- \rightarrow K^- \pi^0 \pi^0 \nu_\tau$

Number of events from **generator 1**: 104

Number of events from **generator 2**: 99

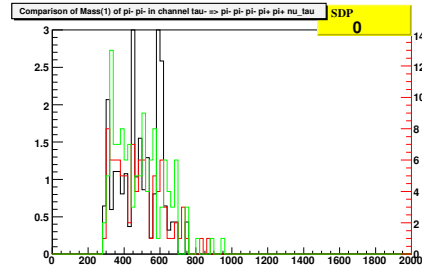
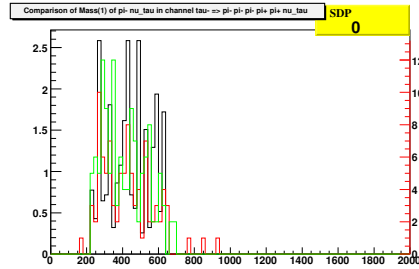
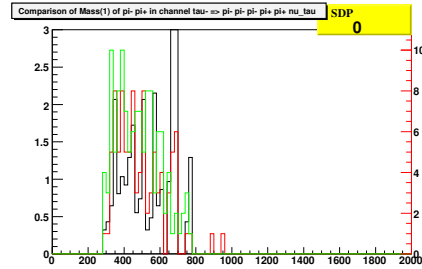
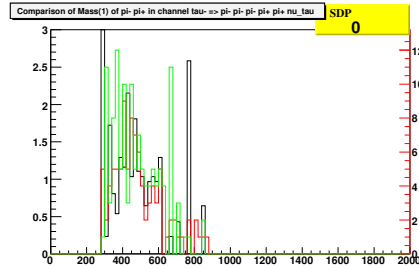
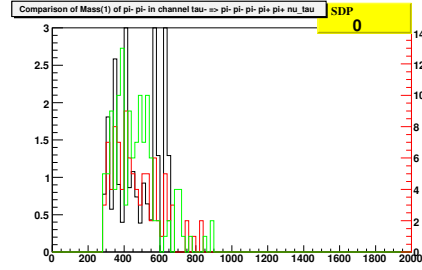
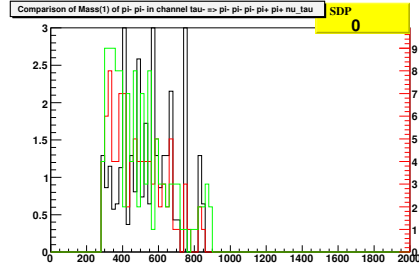


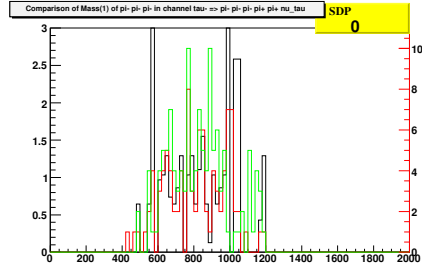
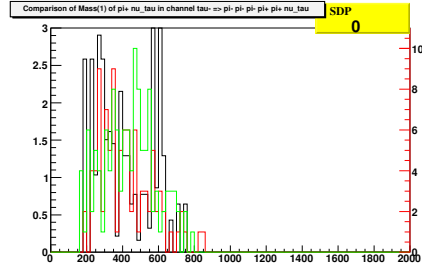
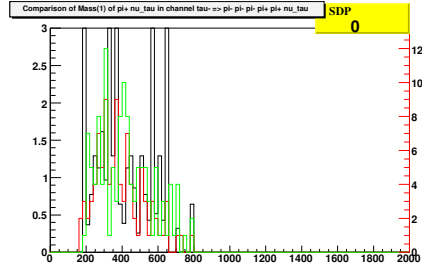
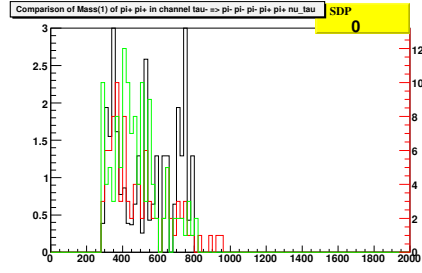
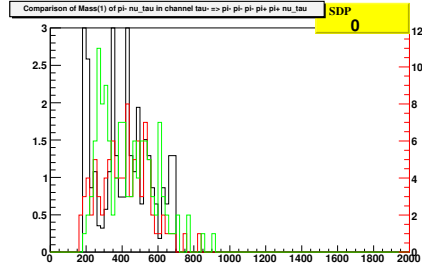
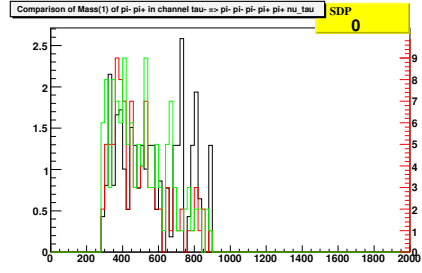
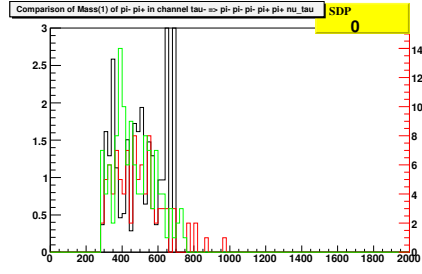
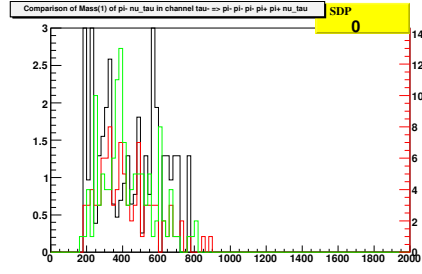
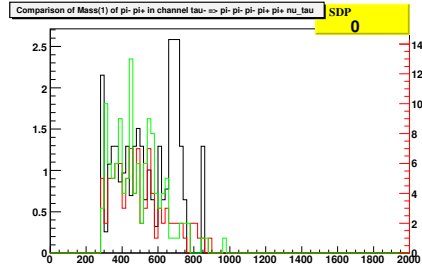
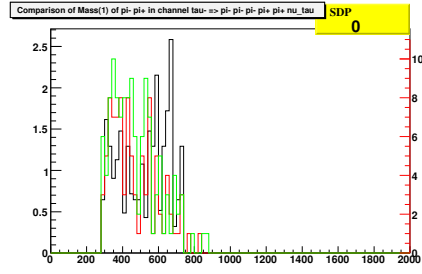


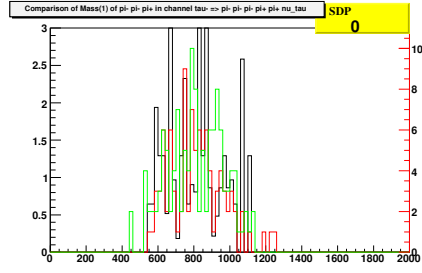
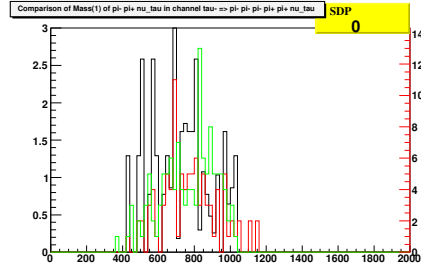
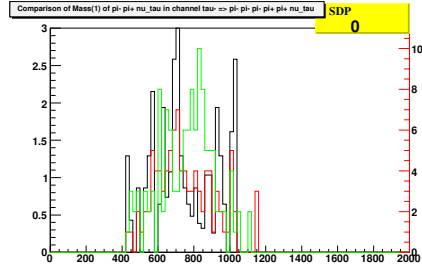
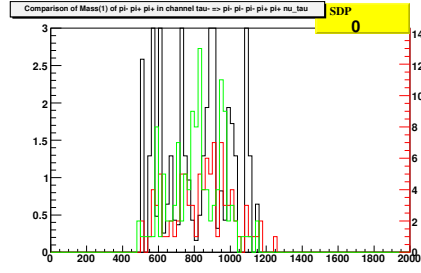
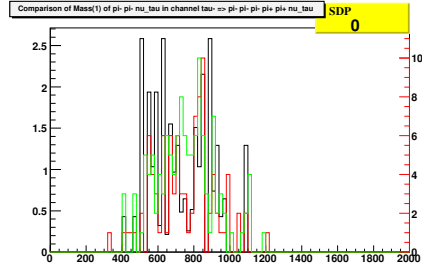
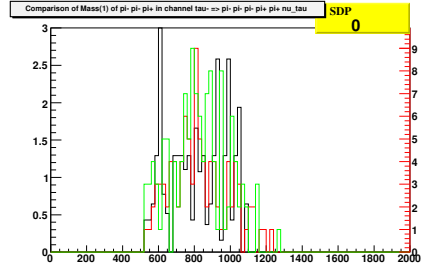
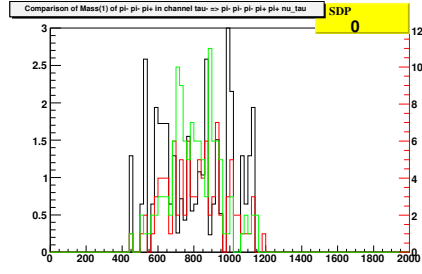
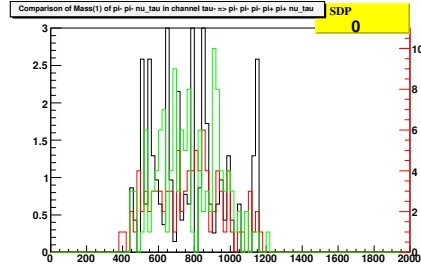
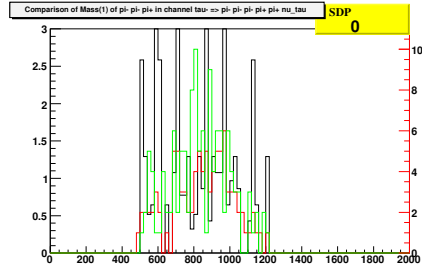
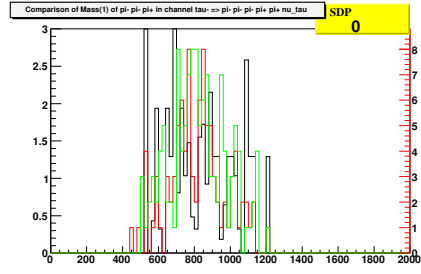
27 Decay Channel: $\tau^- \rightarrow \pi^- \pi^- \pi^- \pi^+ \pi^+ \nu_\tau$

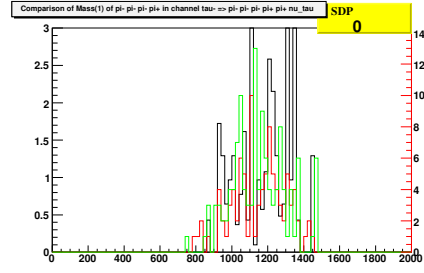
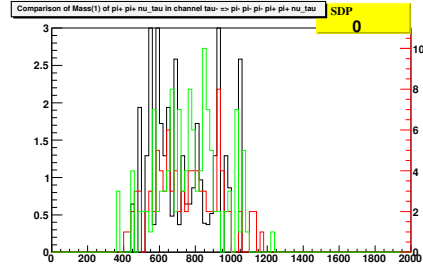
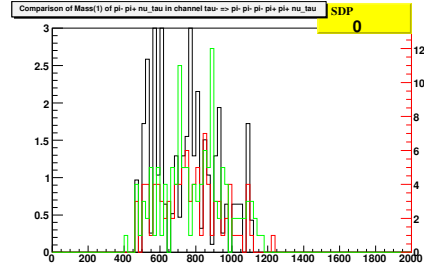
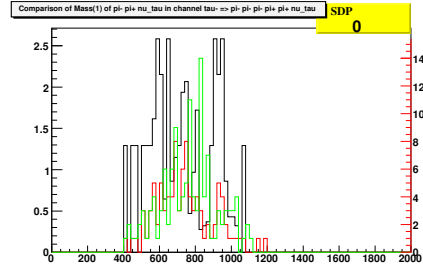
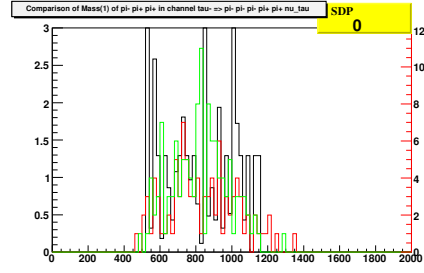
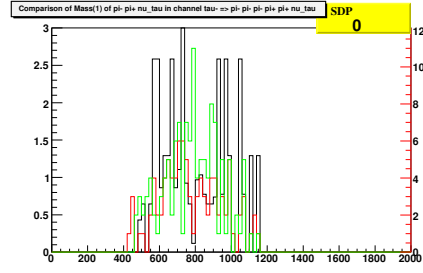
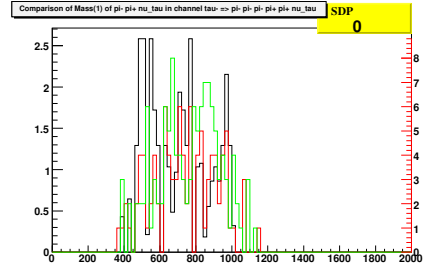
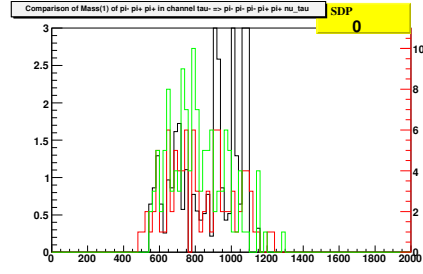
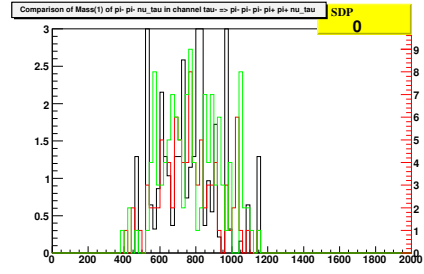
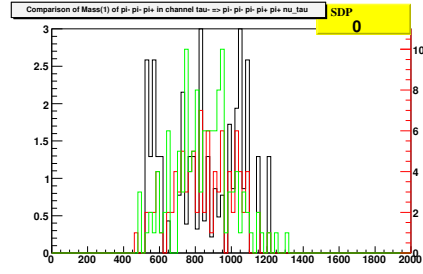
Number of events from generator 1: 96

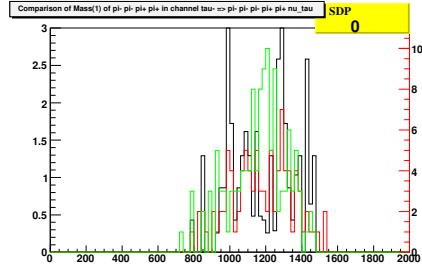
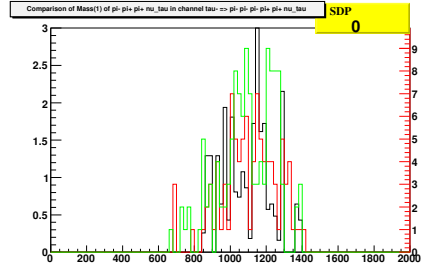
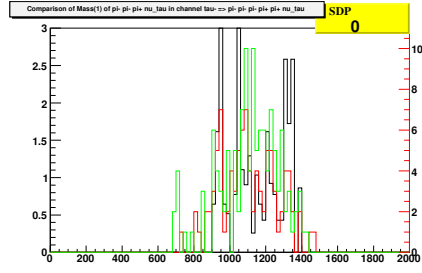
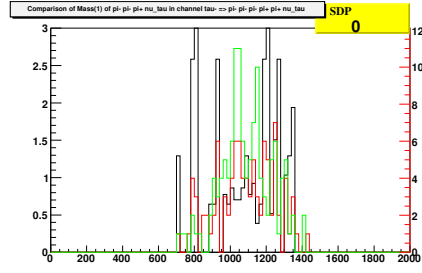
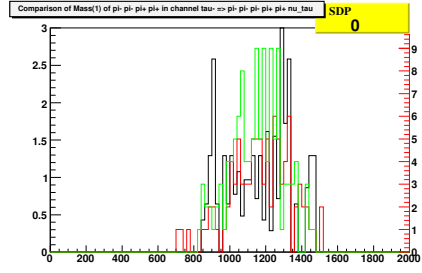
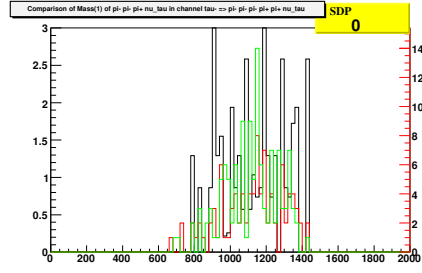
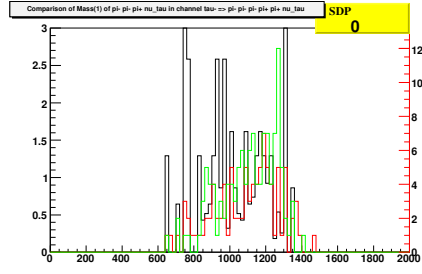
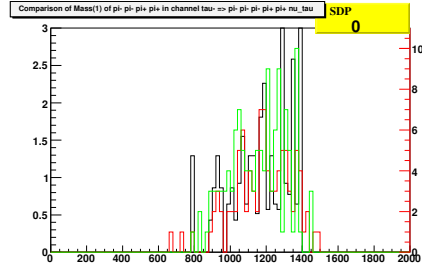
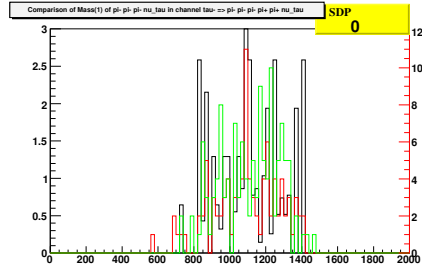
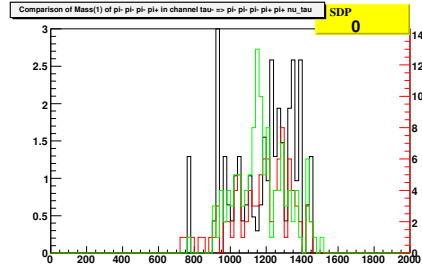
Number of events from generator 2: 124

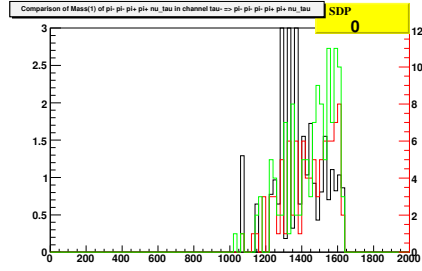
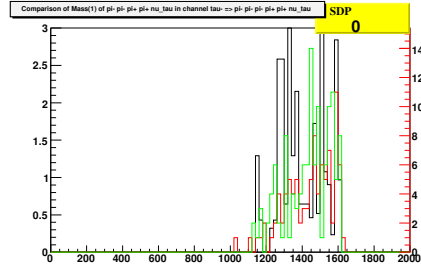
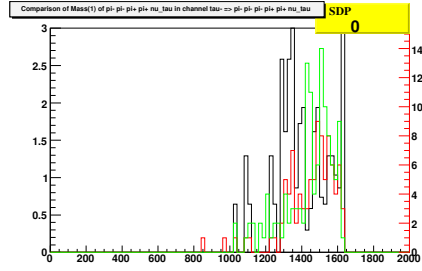
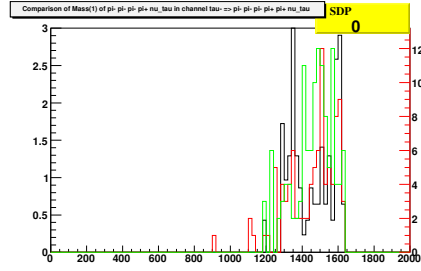
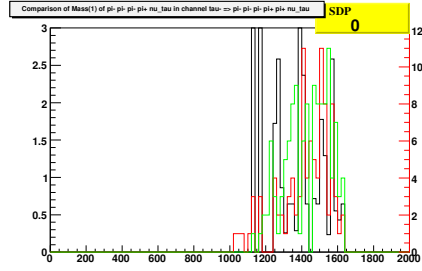
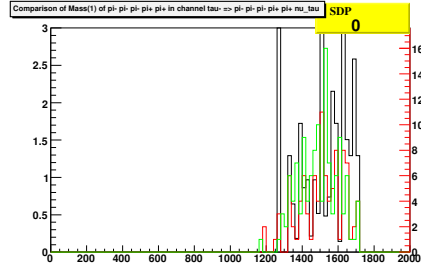
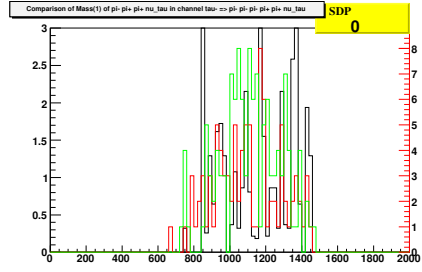
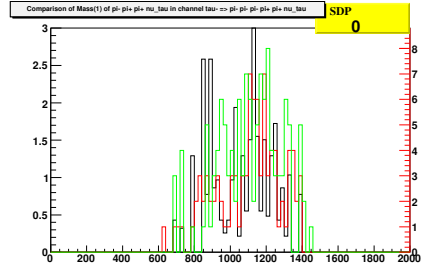
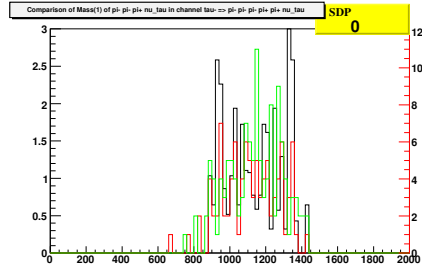
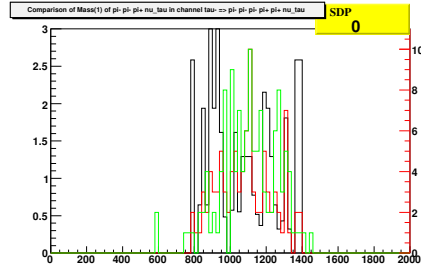


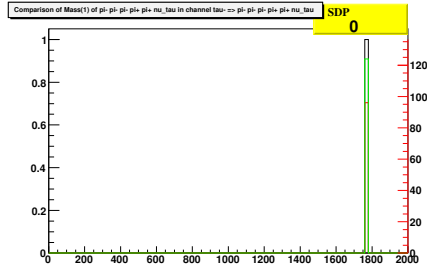








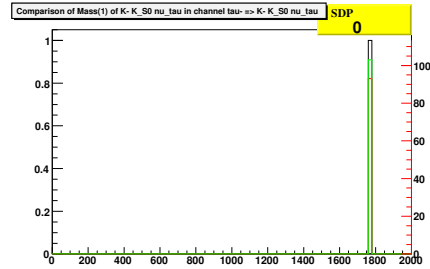
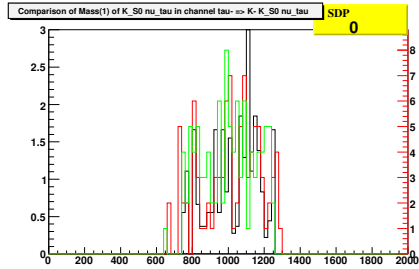
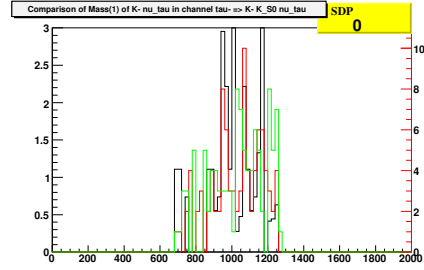
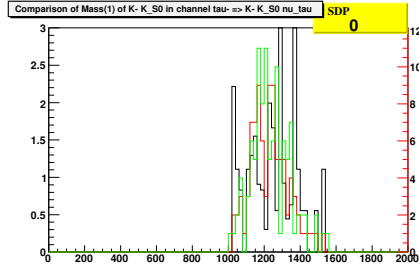




28 Decay Channel: $\tau^- \rightarrow K^- K_S^0 \nu_\tau$

Number of events from **generator 1**: 93

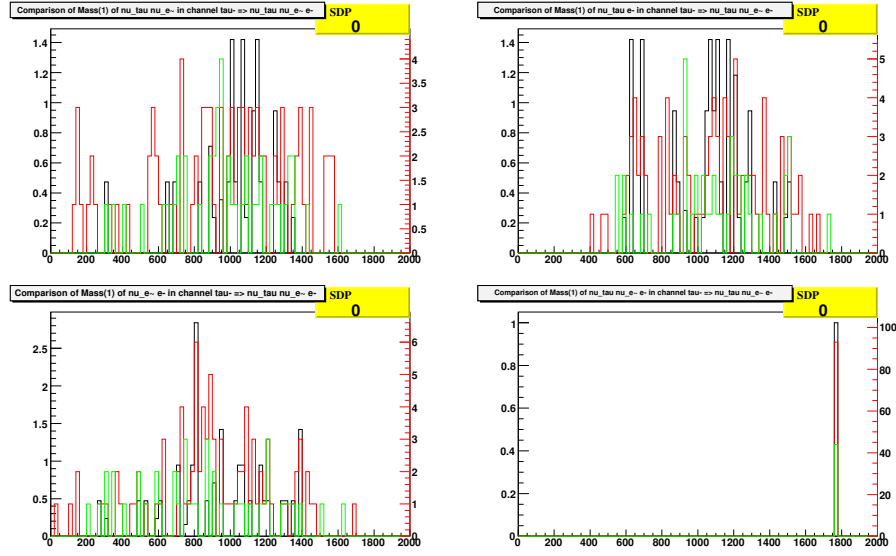
Number of events from **generator 2**: 103



29 Decay Channel: $\tau^- \rightarrow \nu_\tau \tilde{\nu}_e e^-$

Number of events from **generator 1**: 93

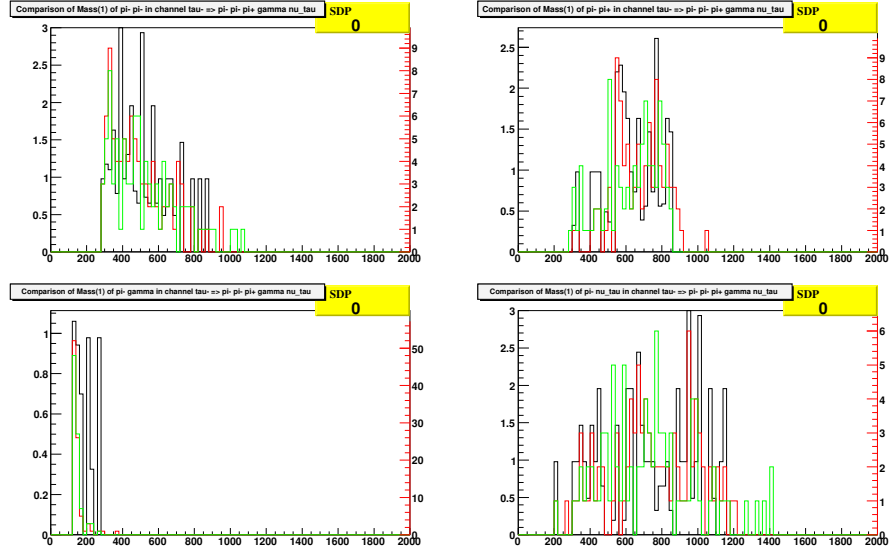
Number of events from **generator 2**: 44

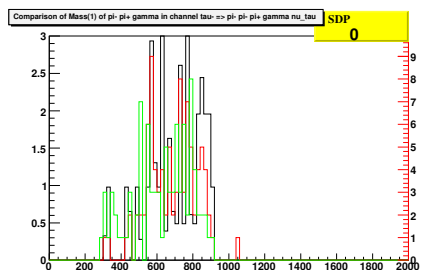
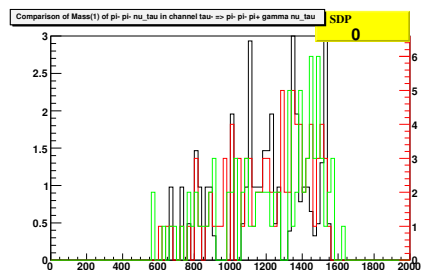
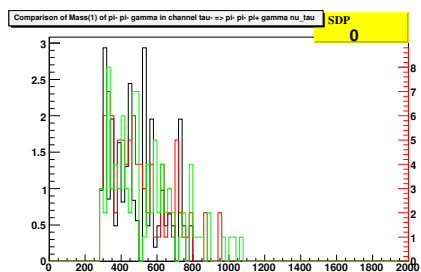
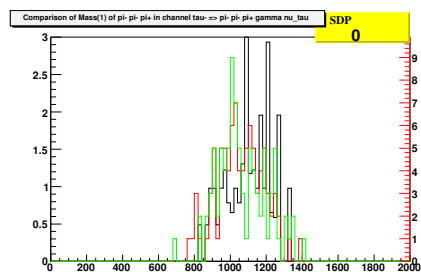
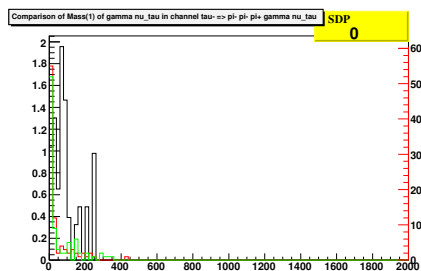
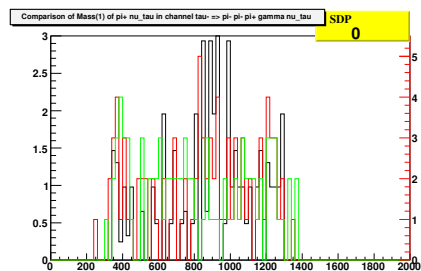
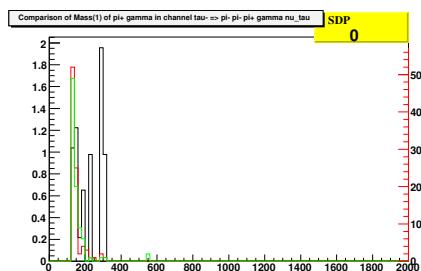
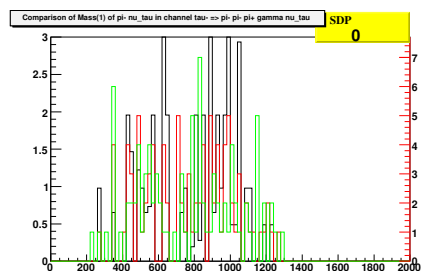
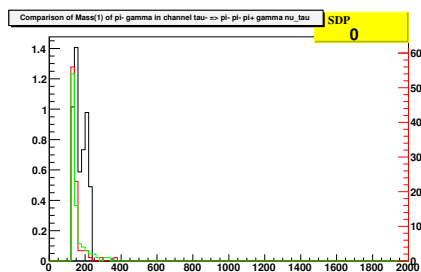
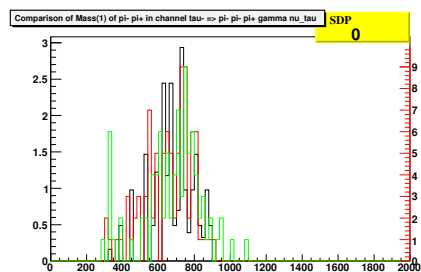


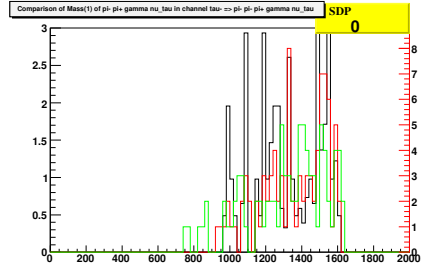
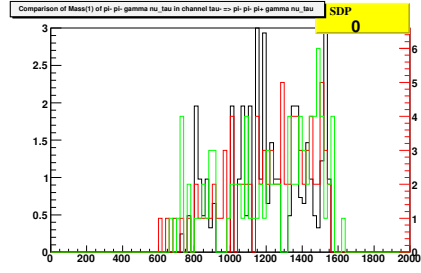
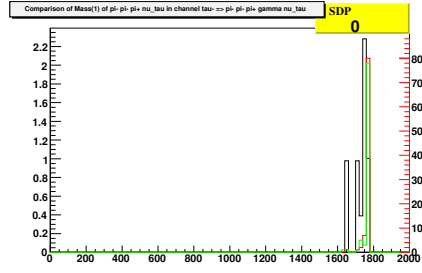
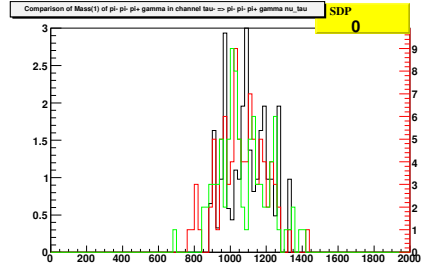
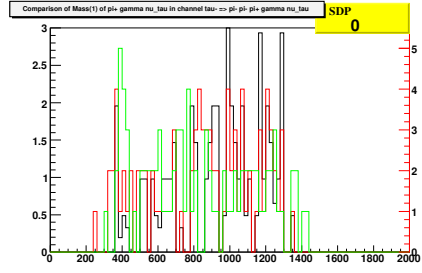
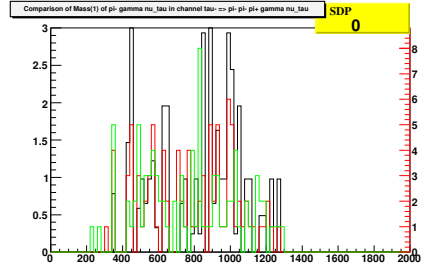
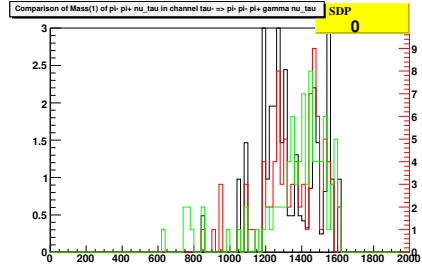
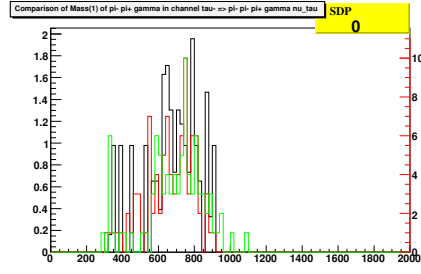
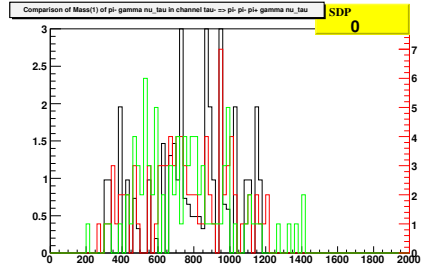
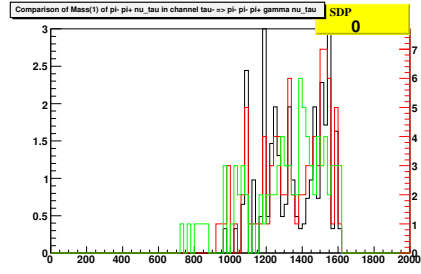
30 Decay Channel: $\tau^- \rightarrow \pi^- \pi^- \pi^+ \gamma \nu_\tau$

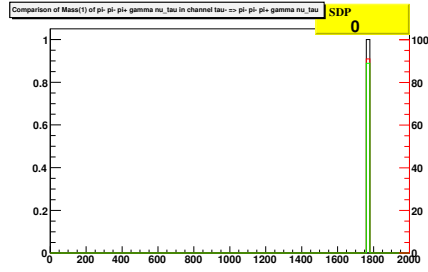
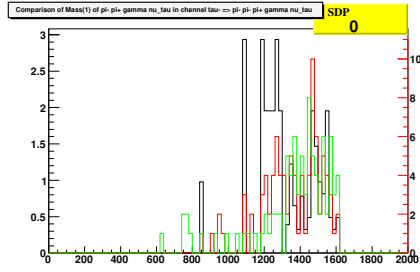
Number of events from generator 1: 91

Number of events from generator 2: 89





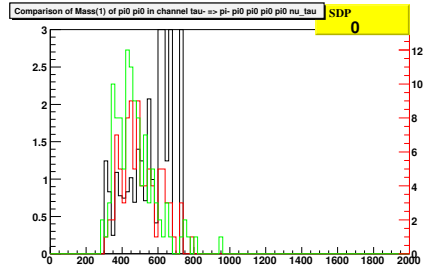
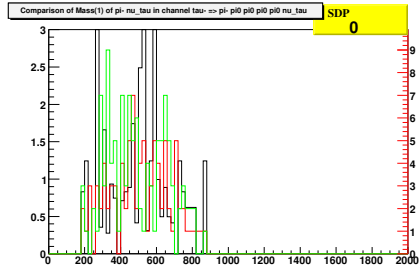
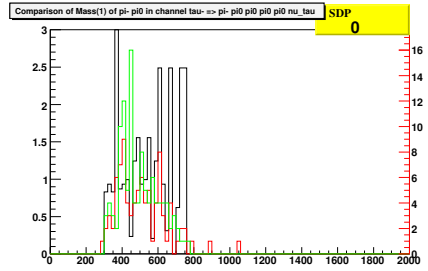
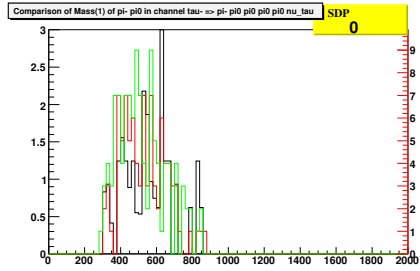
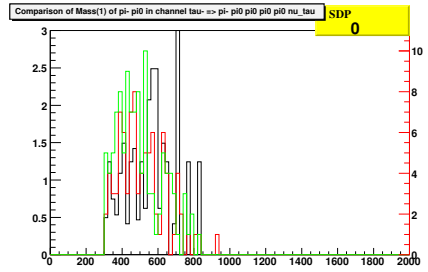
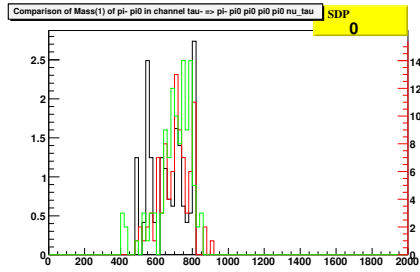


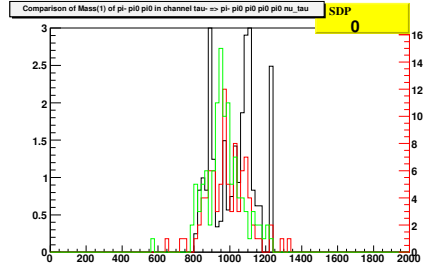
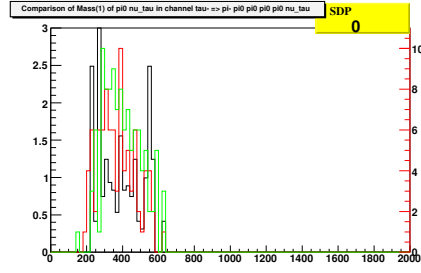
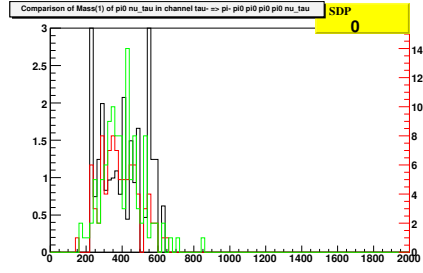
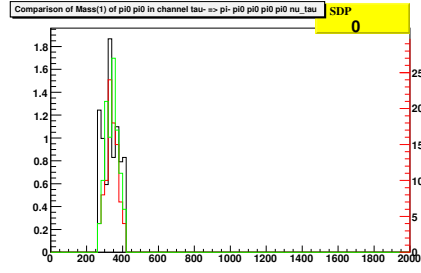
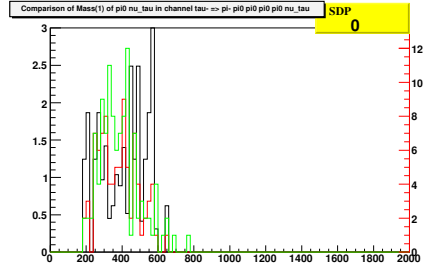
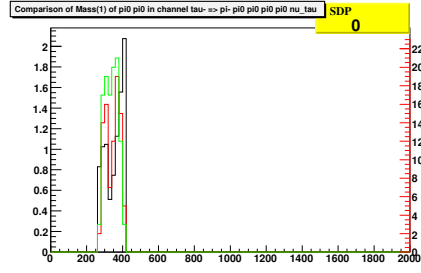
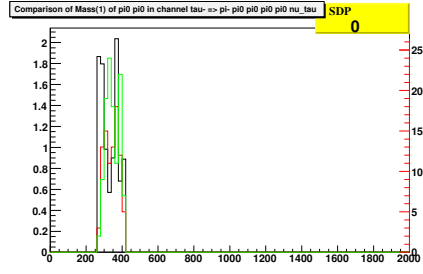
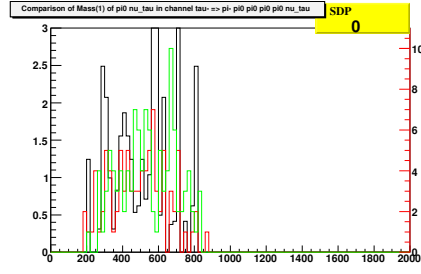
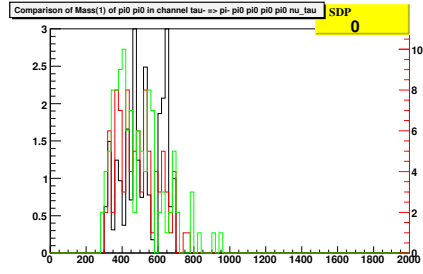
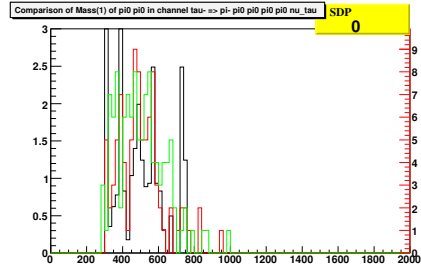


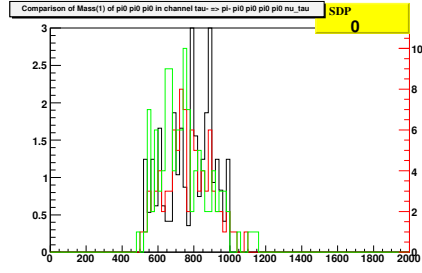
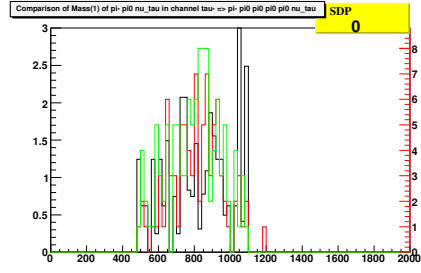
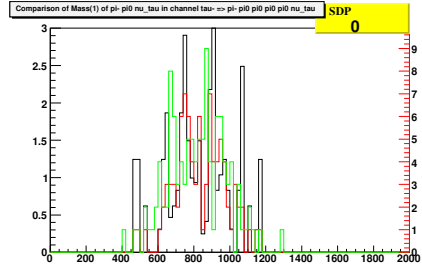
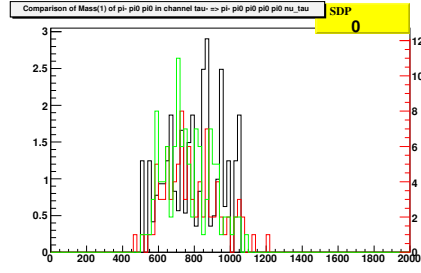
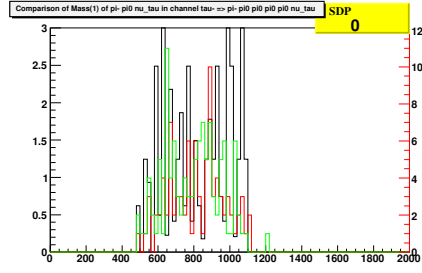
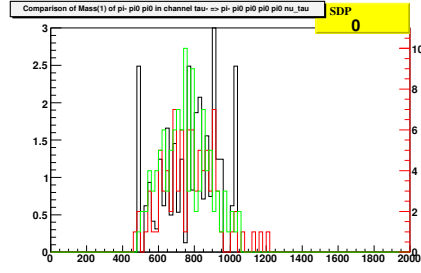
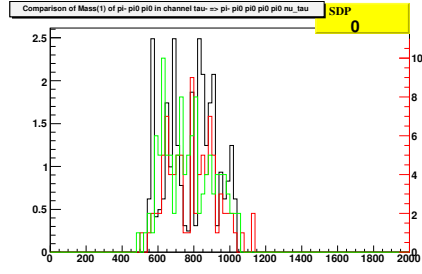
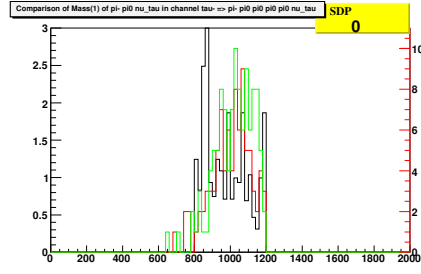
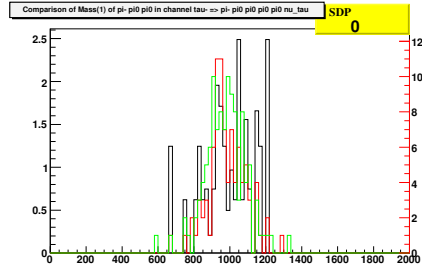
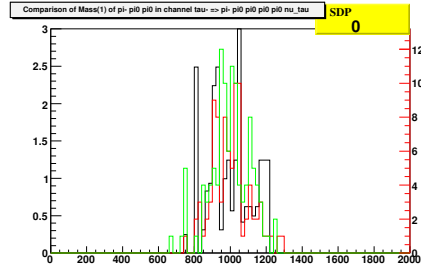
31 Decay Channel: $\tau^- \rightarrow \pi^- \pi^0 \pi^0 \pi^0 \pi^0 \nu_\tau$

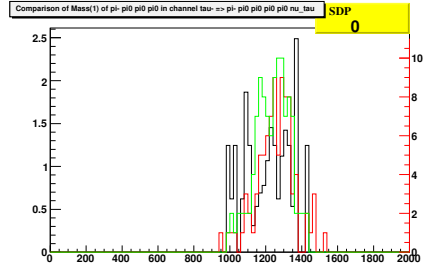
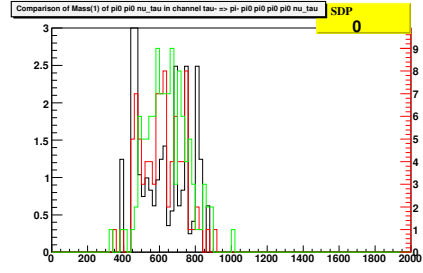
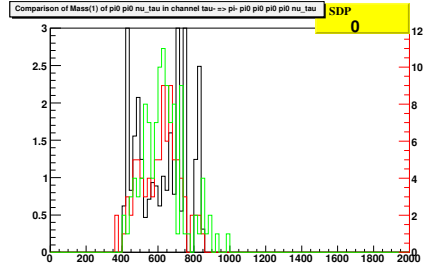
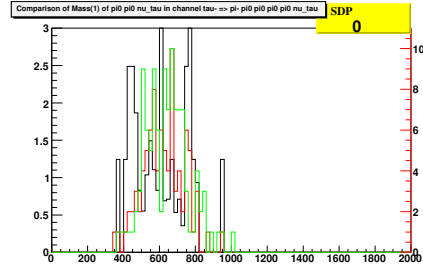
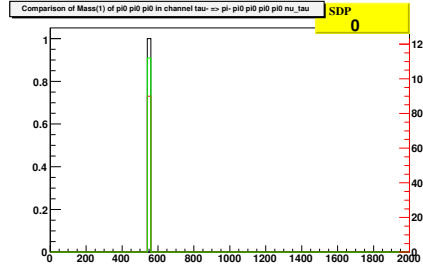
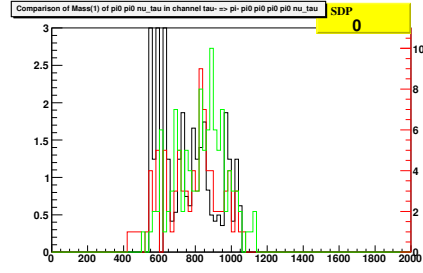
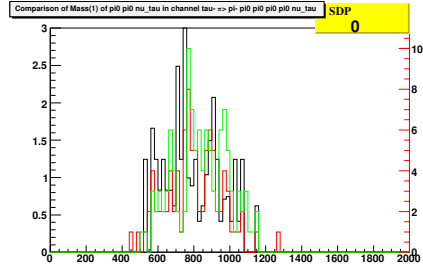
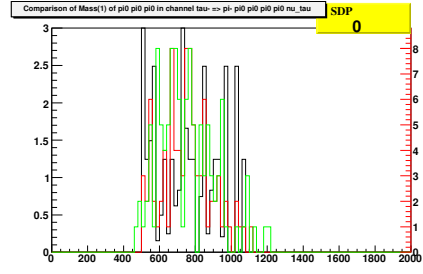
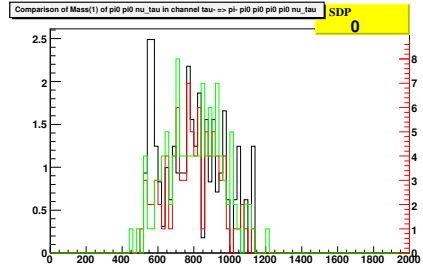
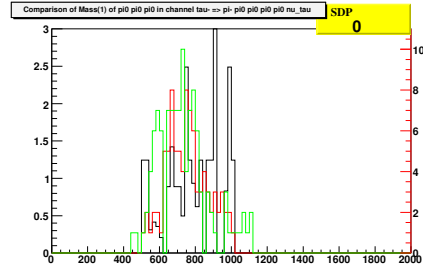
Number of events from generator 1: 90

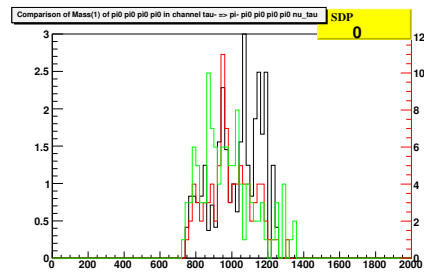
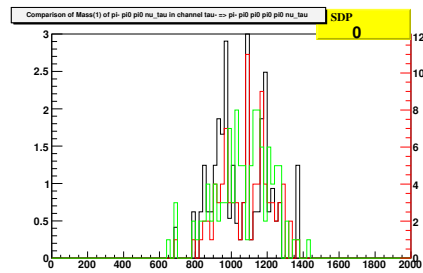
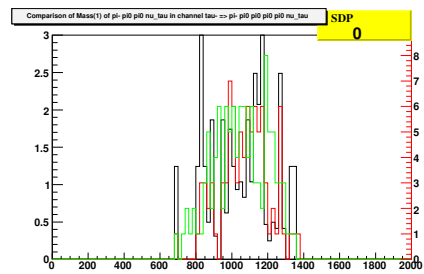
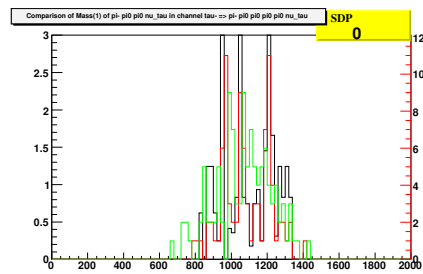
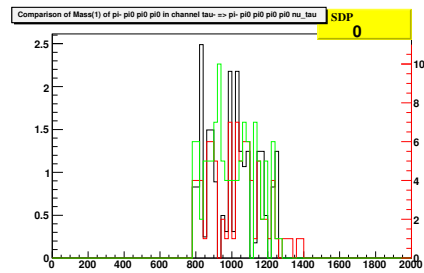
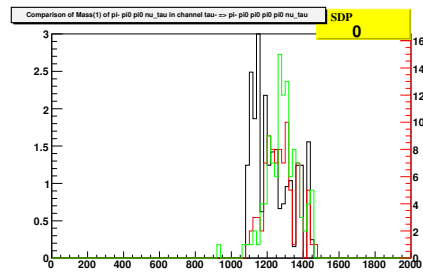
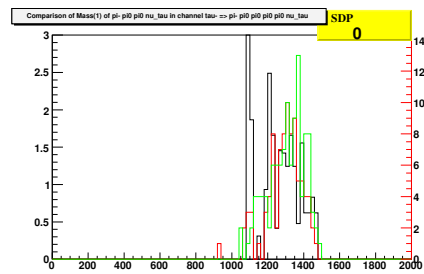
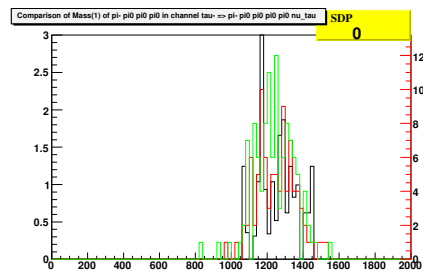
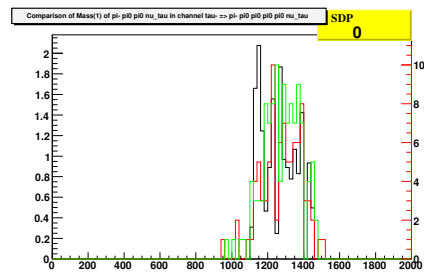
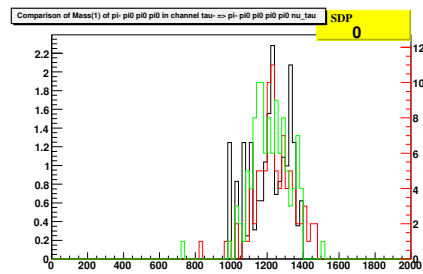
Number of events from generator 2: 112

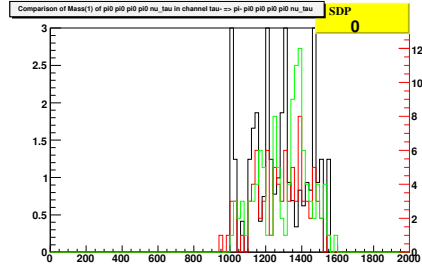
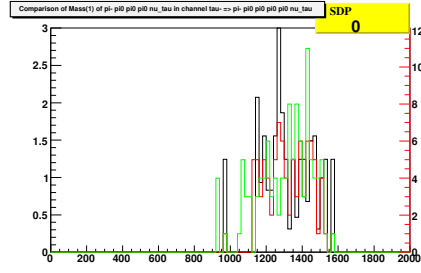
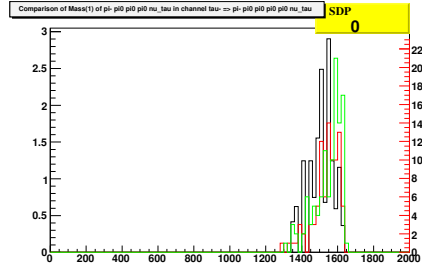
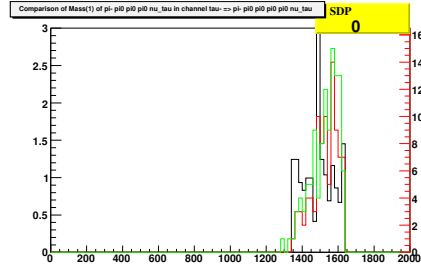
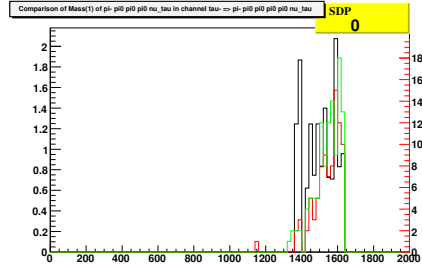
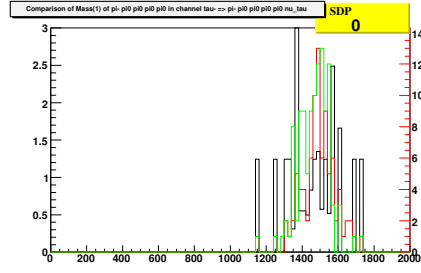
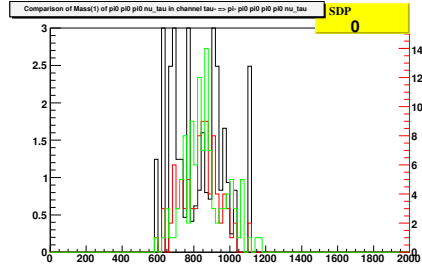
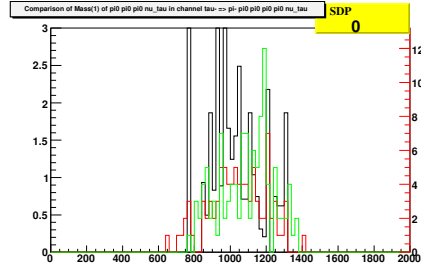
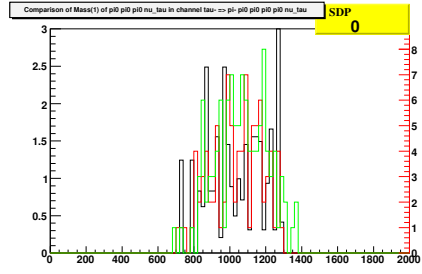
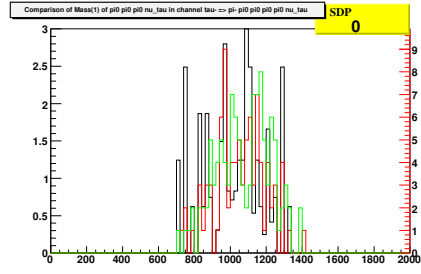


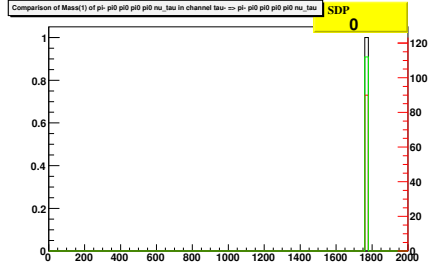








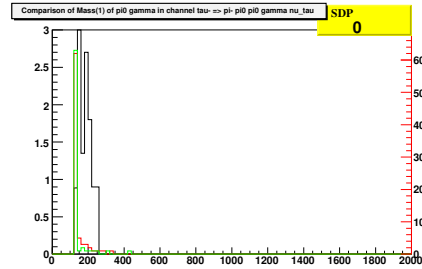
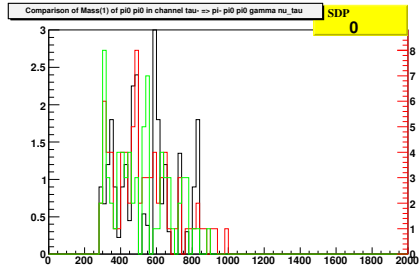
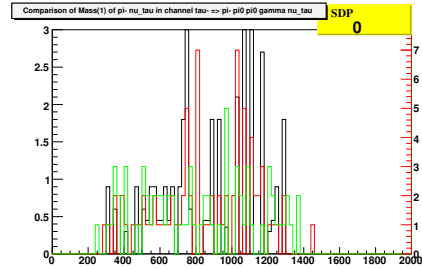
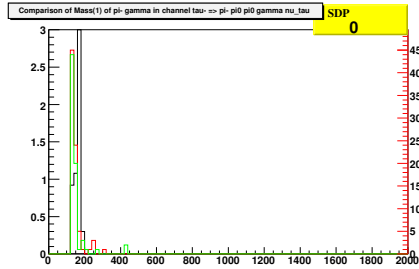
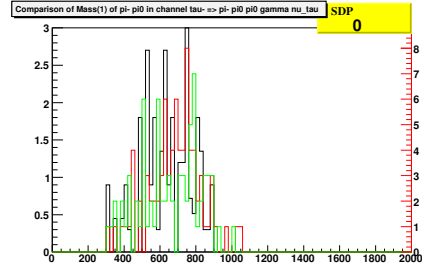
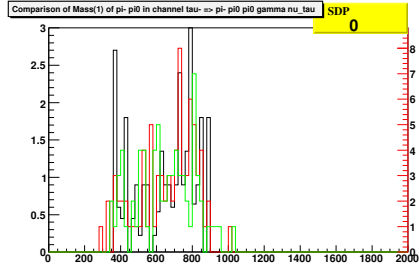


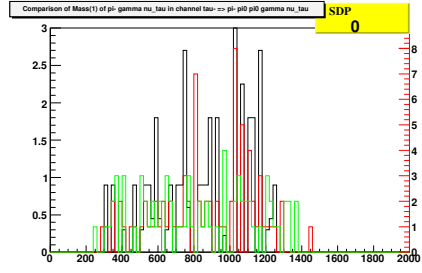
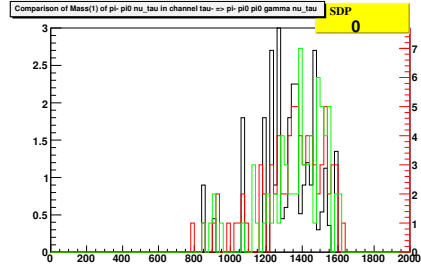
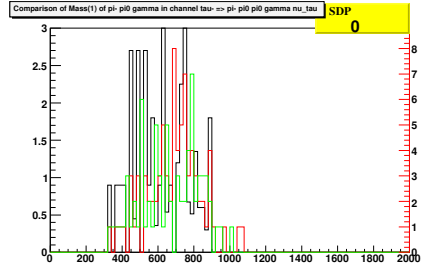
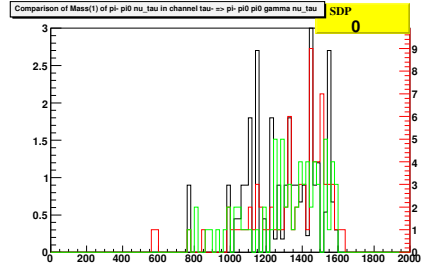
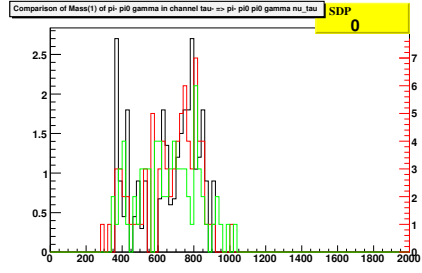
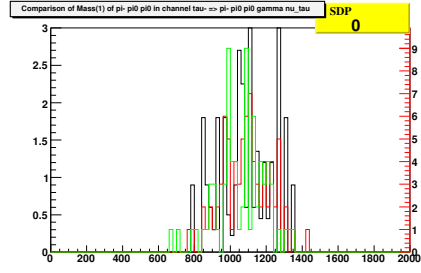
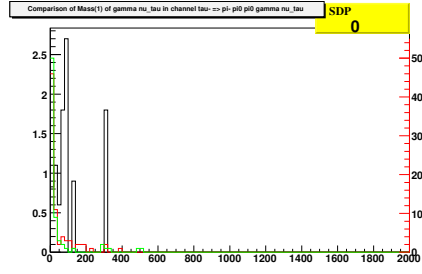
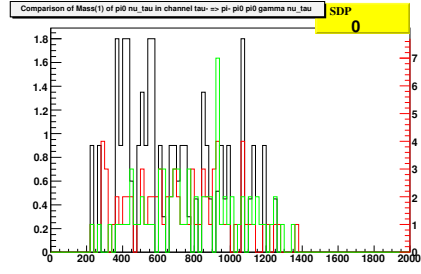
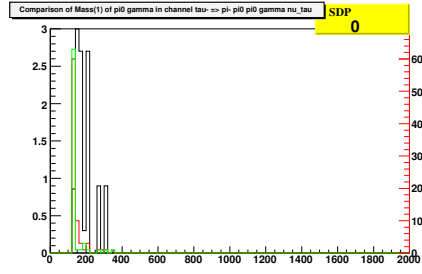
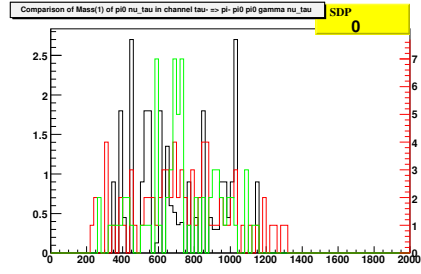


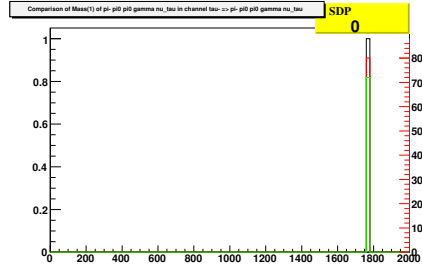
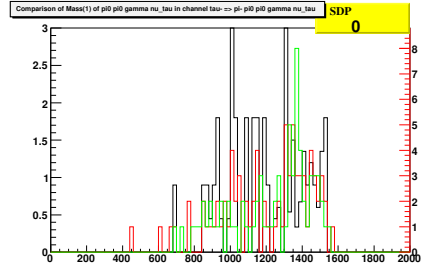
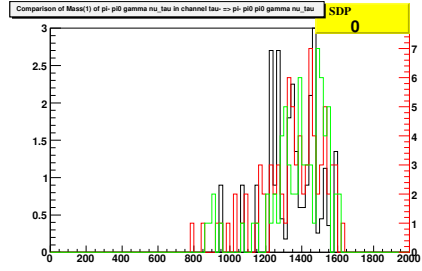
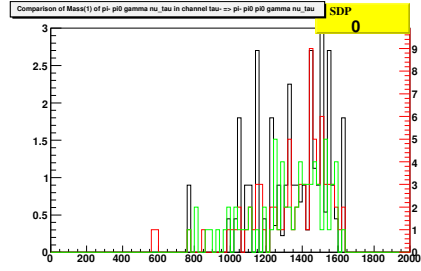
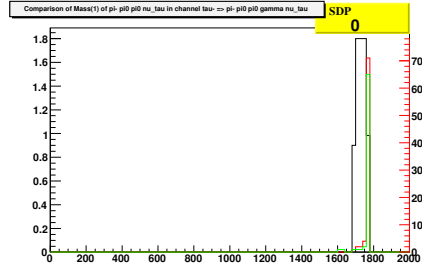
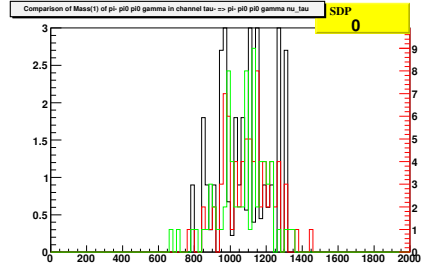
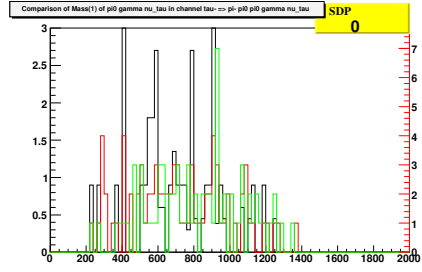
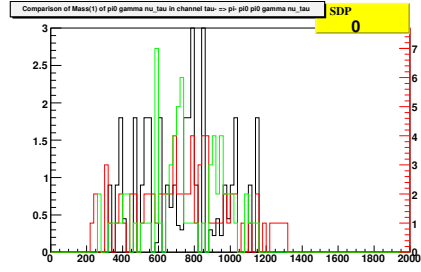
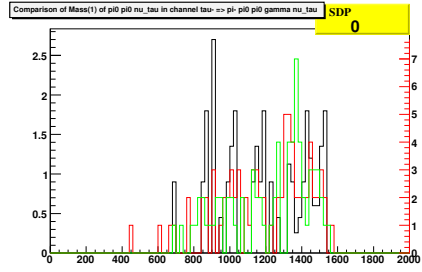
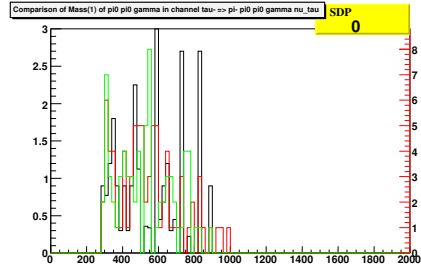
32 Decay Channel: $\tau^- \rightarrow \pi^- \pi^0 \pi^0 \gamma \nu_\tau$

Number of events from generator 1: 80

Number of events from generator 2: 72



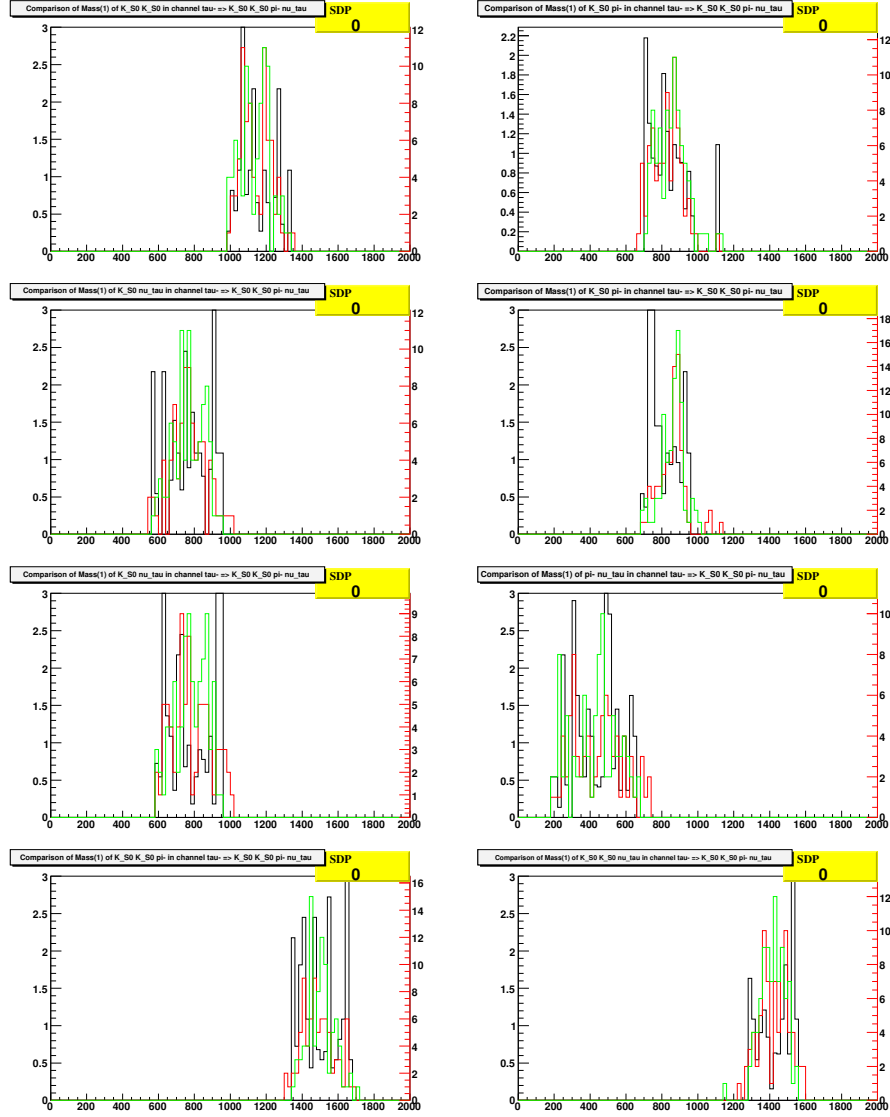


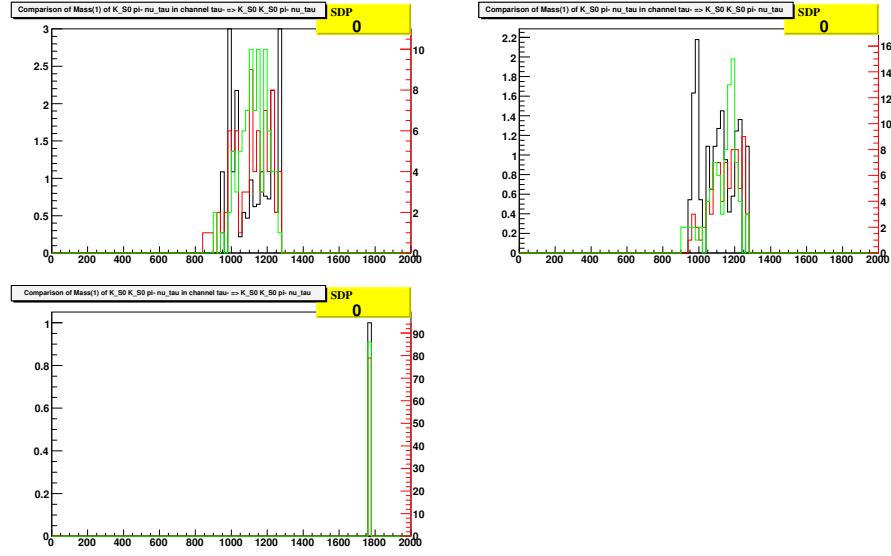


33 Decay Channel: $\tau^- \rightarrow K_S^0 K_S^0 \pi^- \nu_\tau$

Number of events from **generator 1**: 79

Number of events from **generator 2**: 86

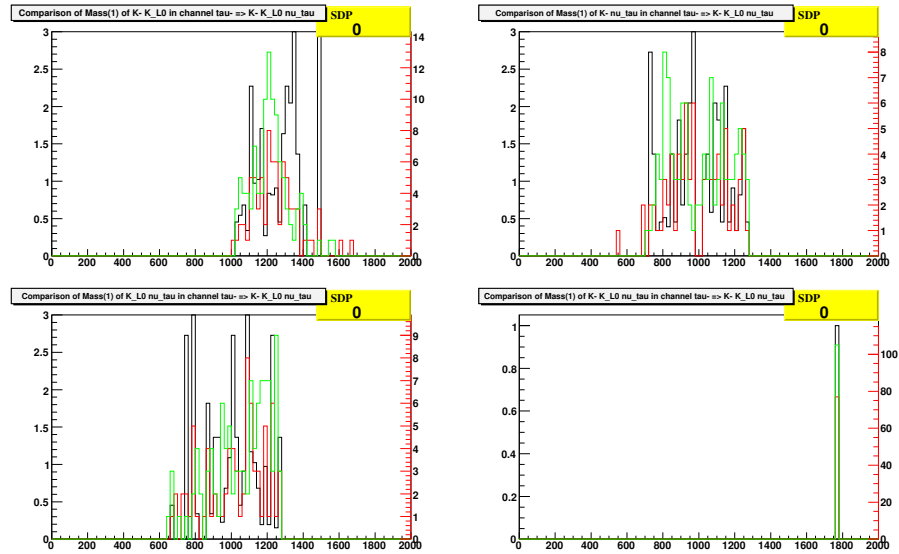




34 Decay Channel: $\tau^- \rightarrow K^- K_L^0 \nu_\tau$

Number of events from generator 1: 77

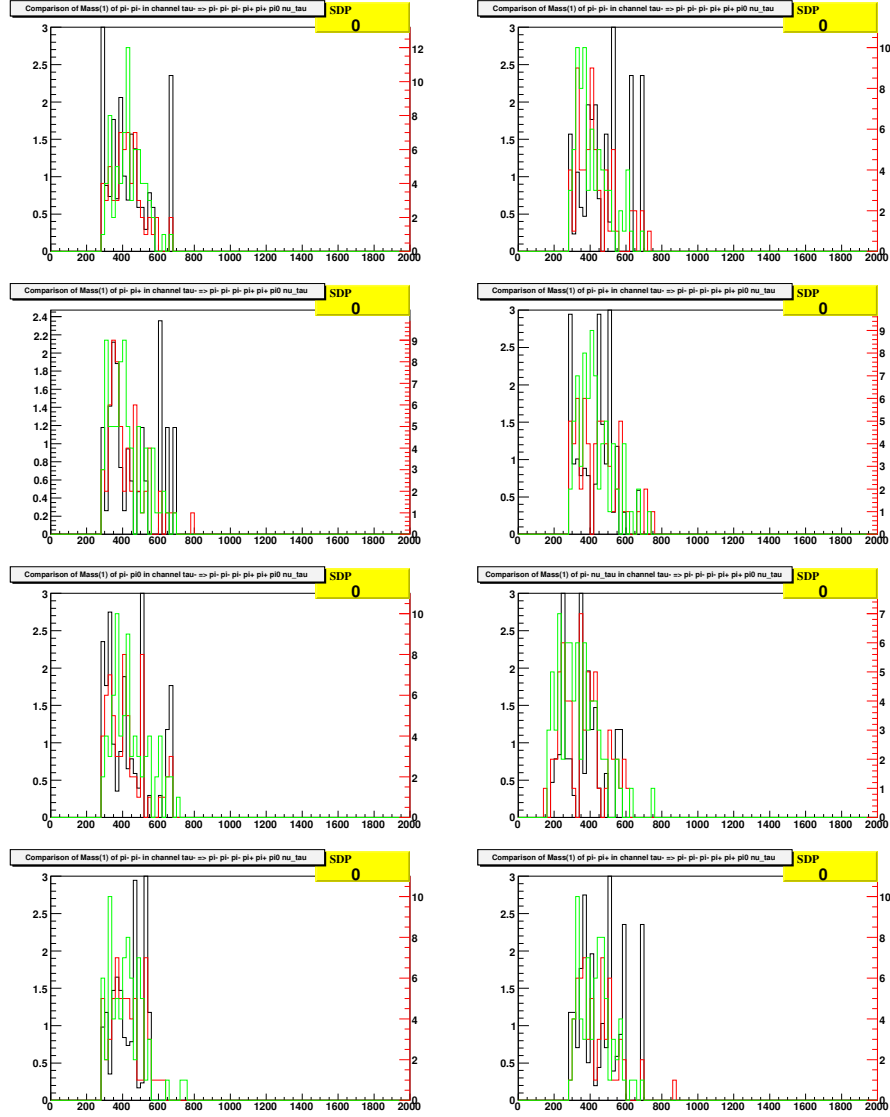
Number of events from generator 2: 105

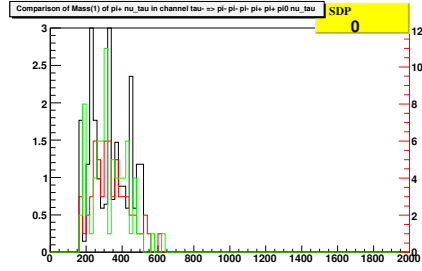
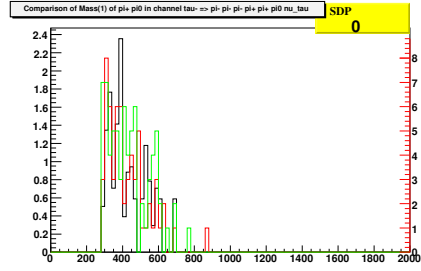
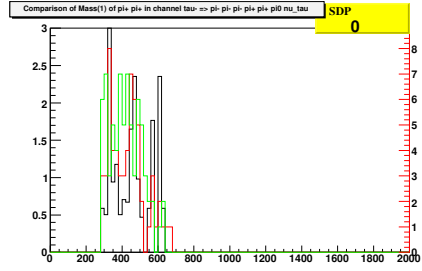
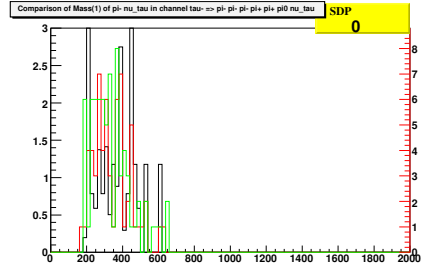
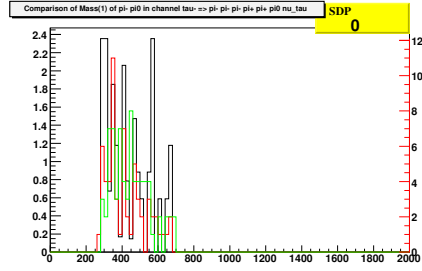
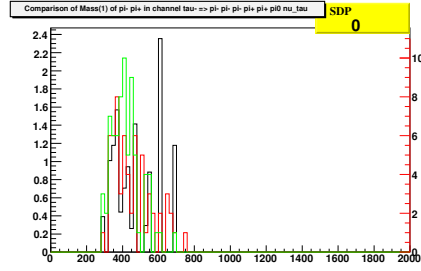
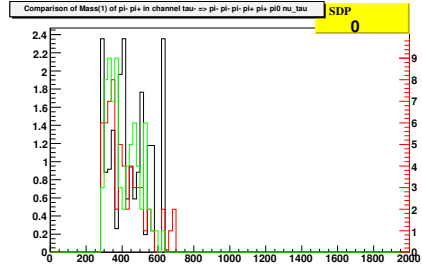
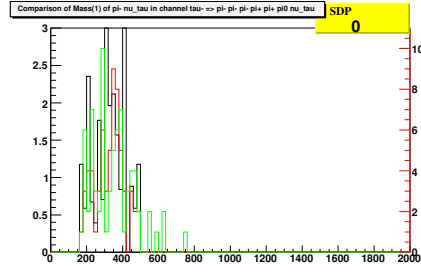
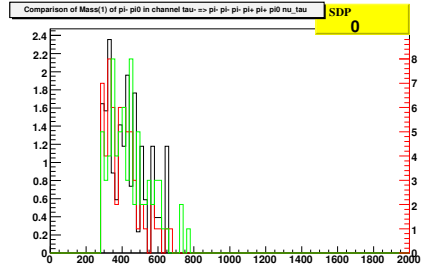
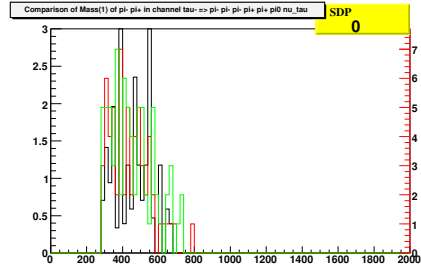


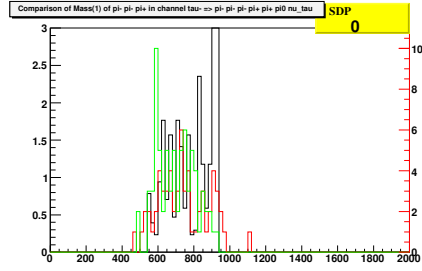
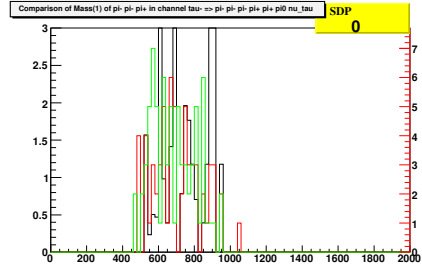
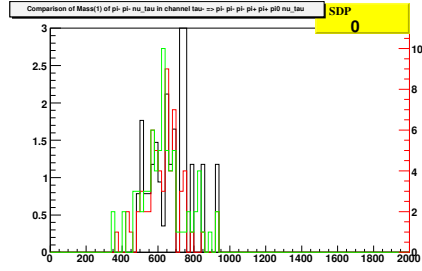
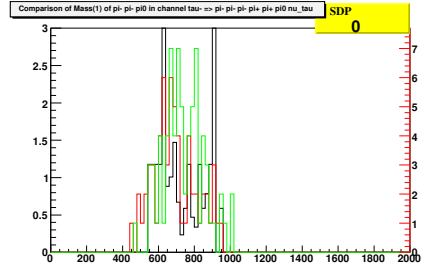
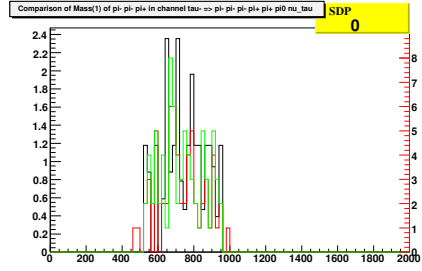
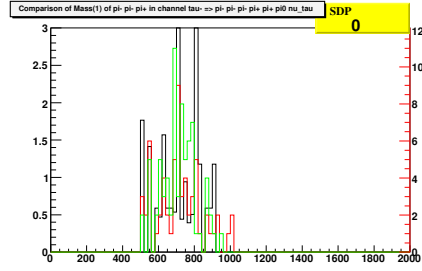
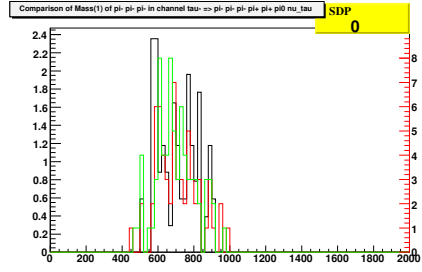
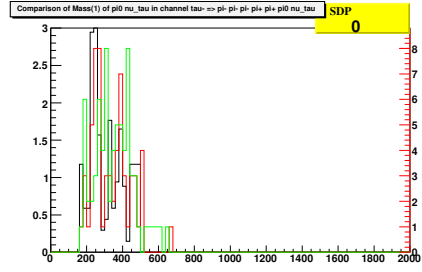
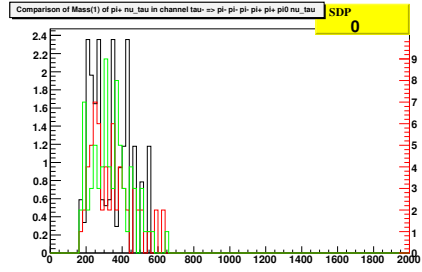
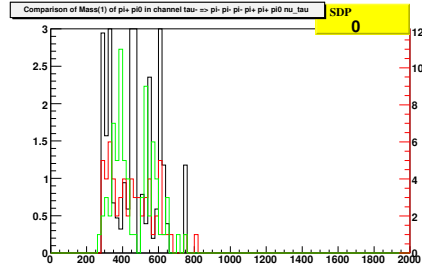
35 Decay Channel: $\tau^- \rightarrow \pi^- \pi^- \pi^- \pi^+ \pi^+ \pi^0 \nu_\tau$

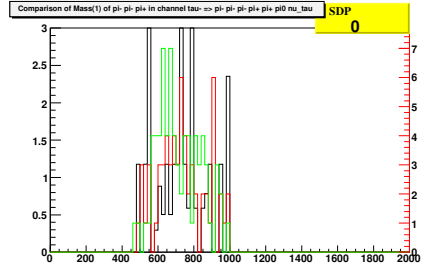
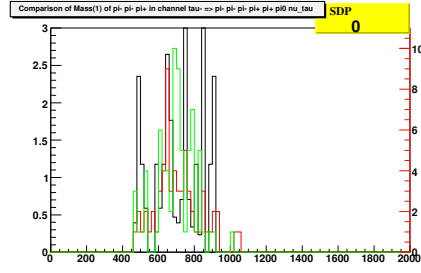
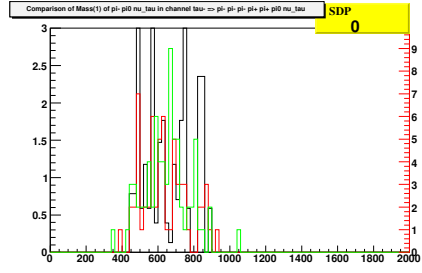
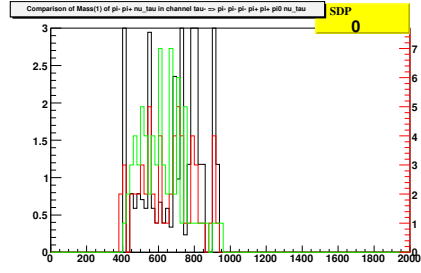
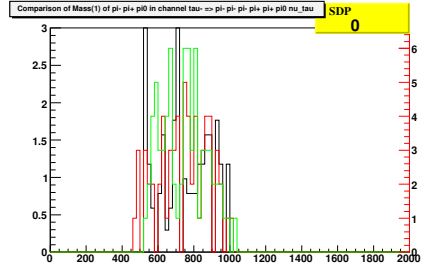
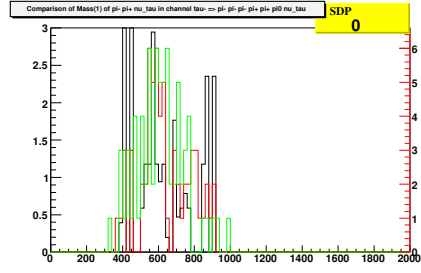
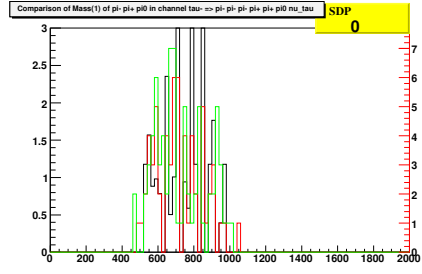
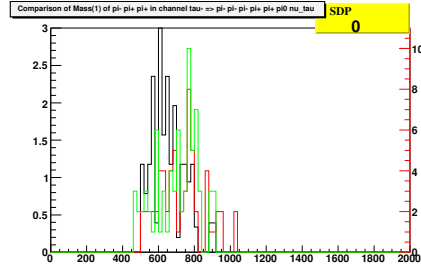
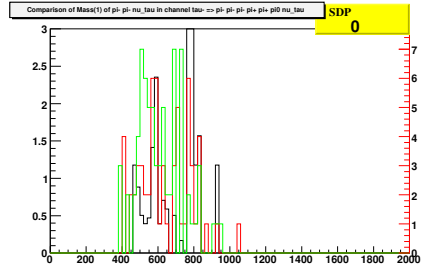
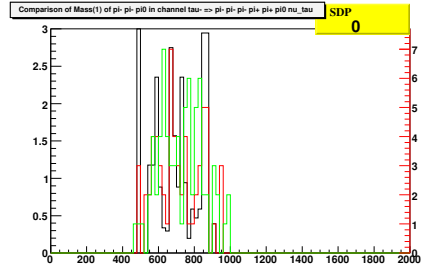
Number of events from **generator 1**: 62

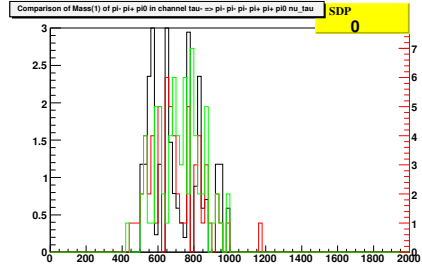
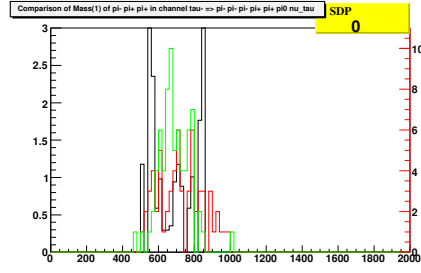
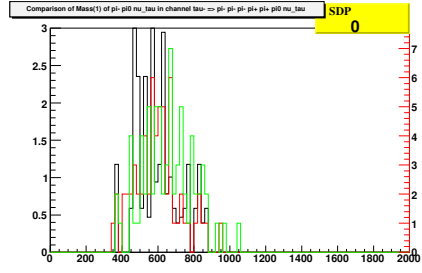
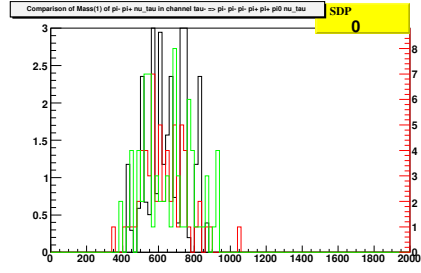
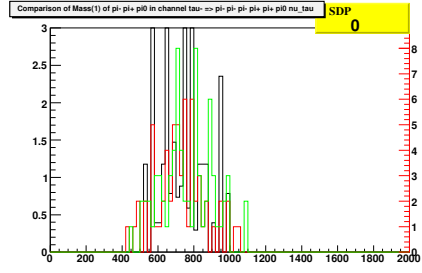
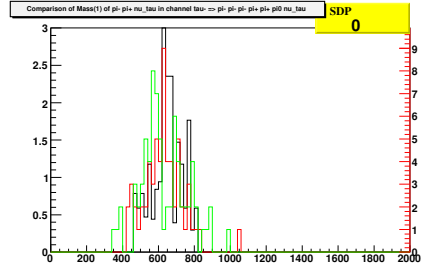
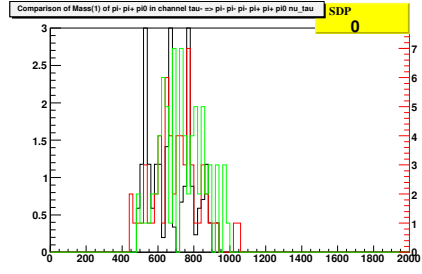
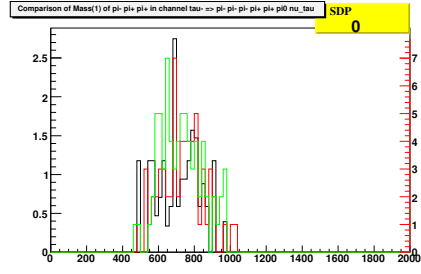
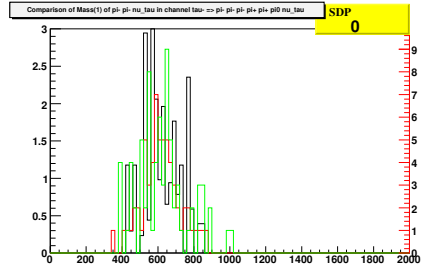
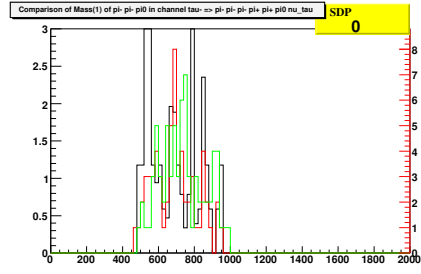
Number of events from **generator 2**: 73

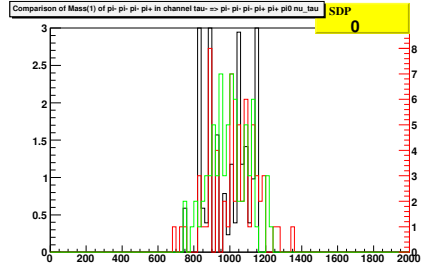
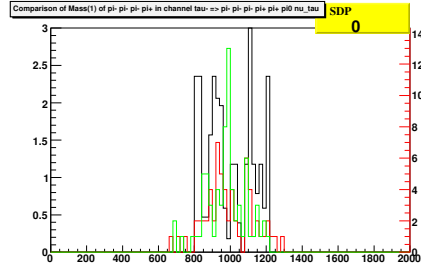
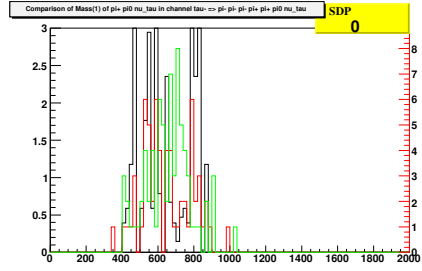
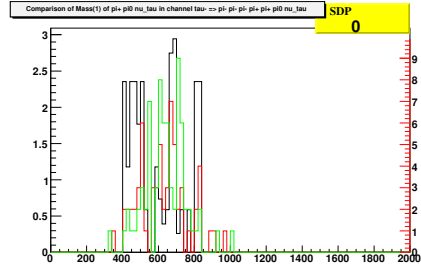
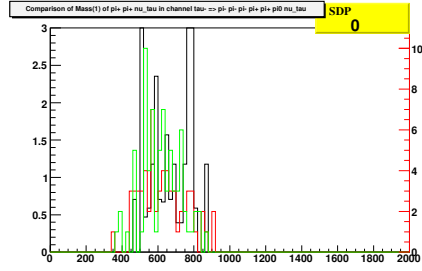
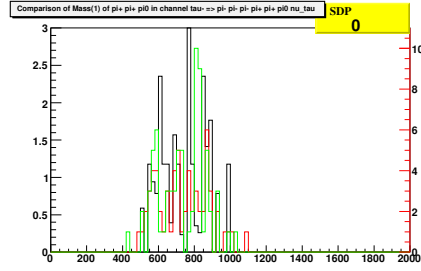
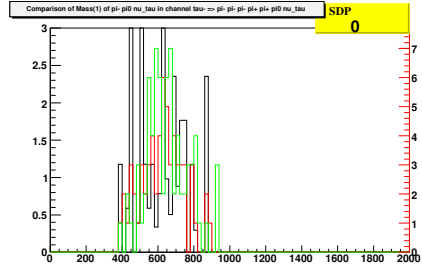
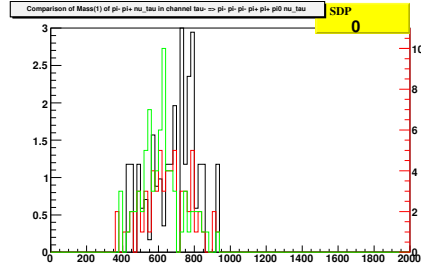
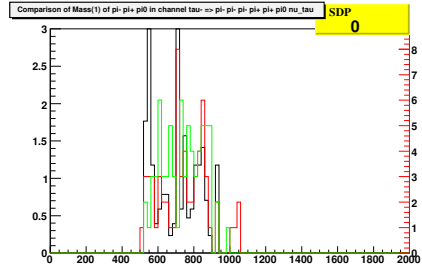
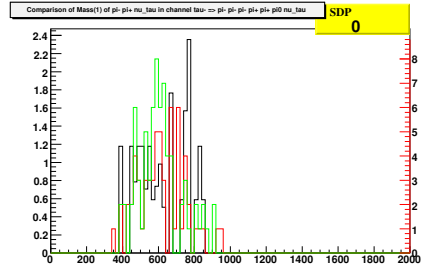


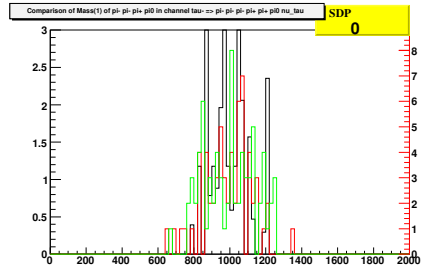
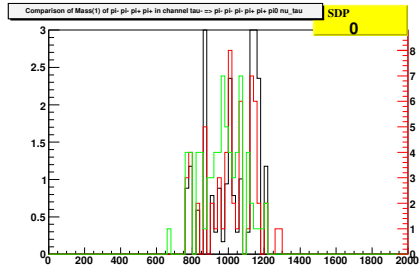
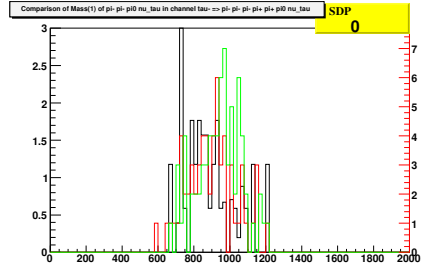
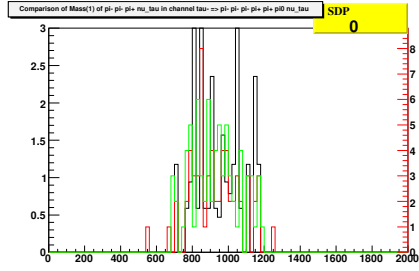
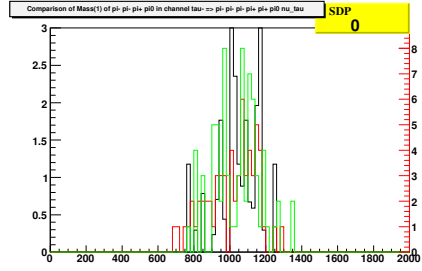
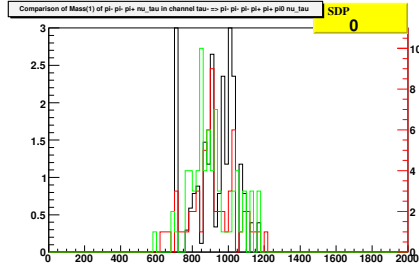
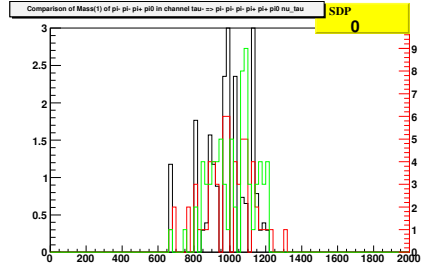
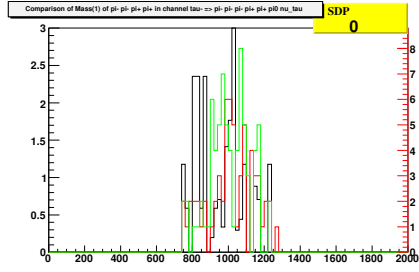
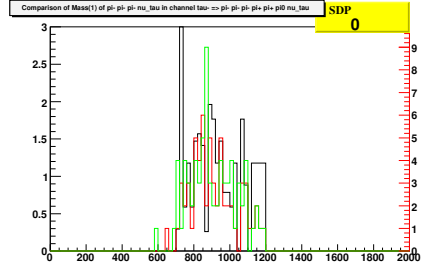
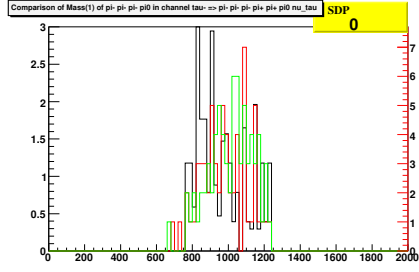


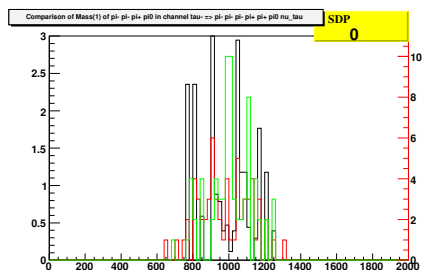
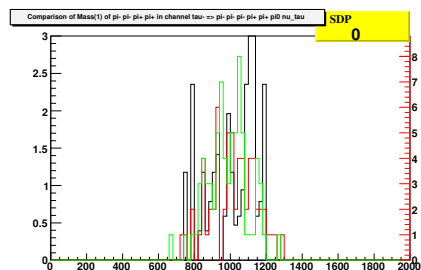
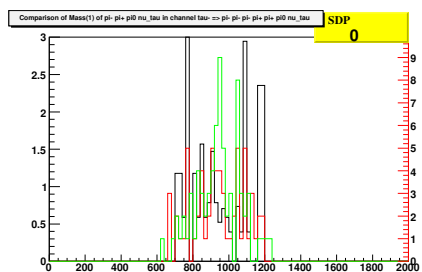
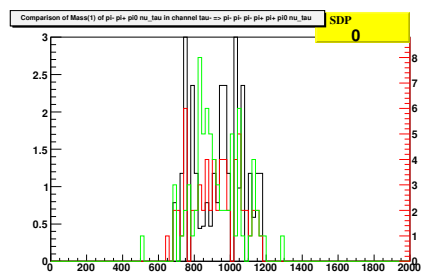
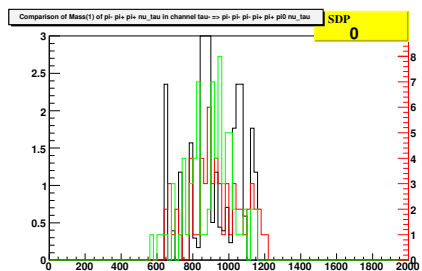
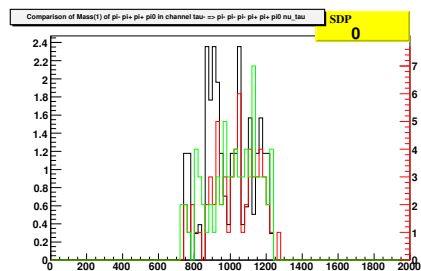
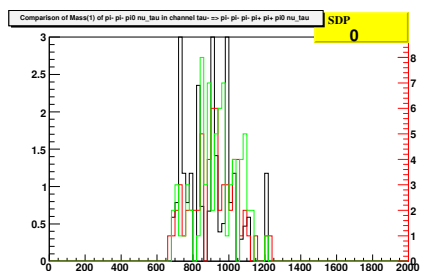
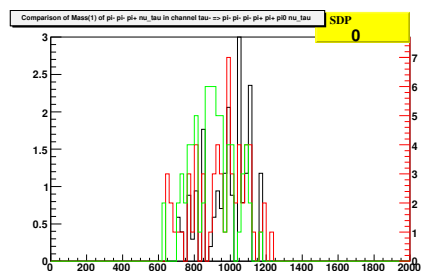
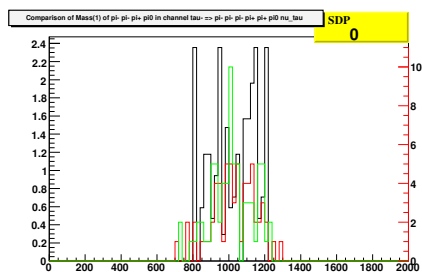
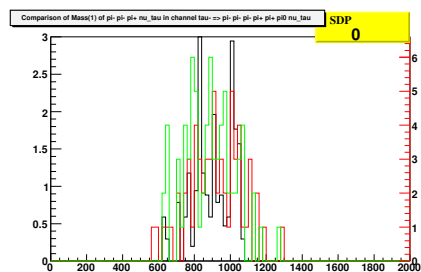


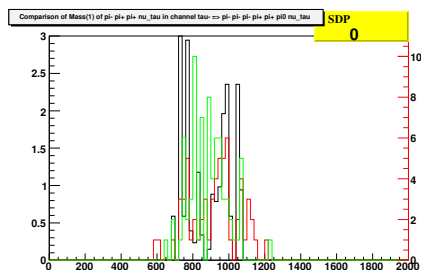
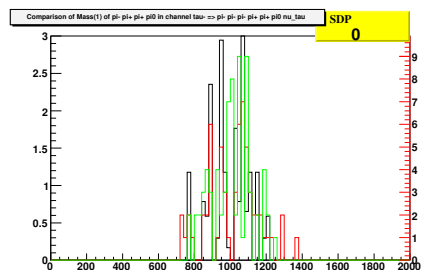
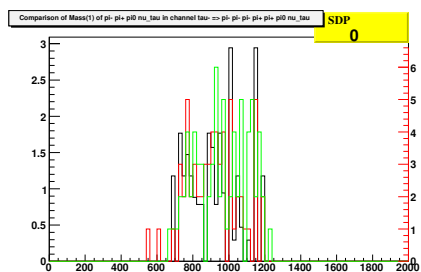
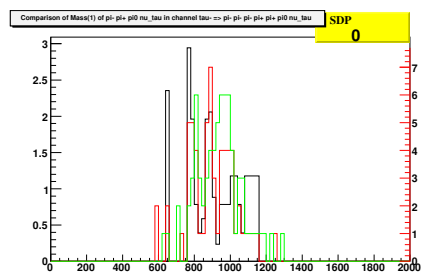
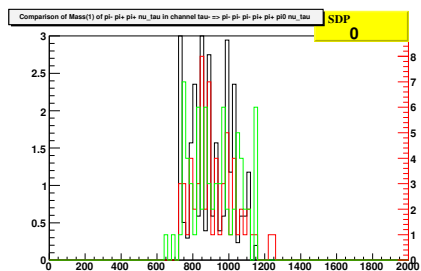
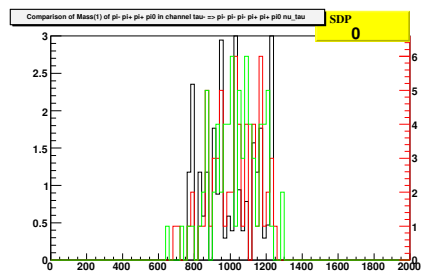
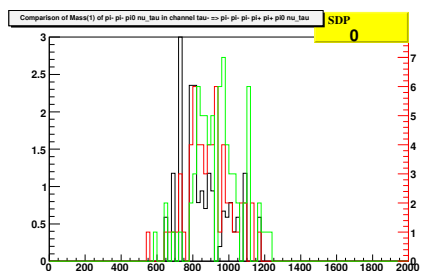
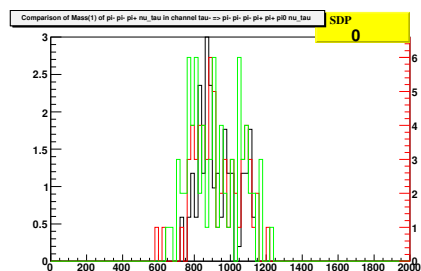
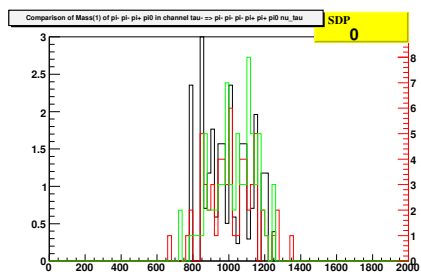
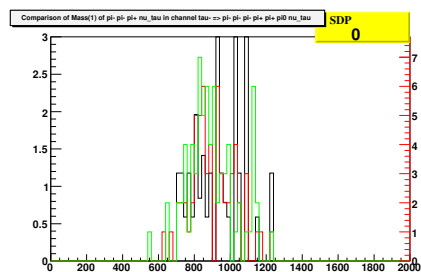


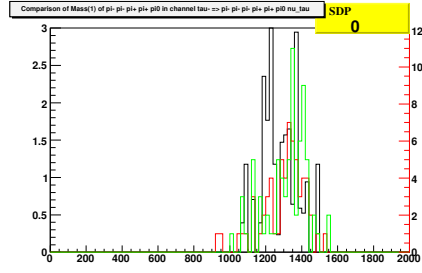
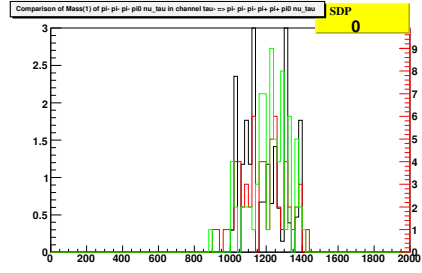
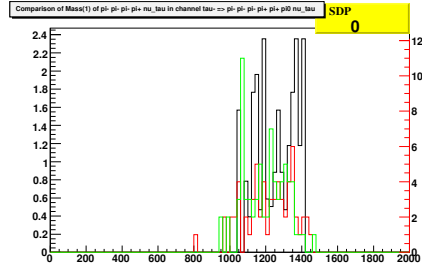
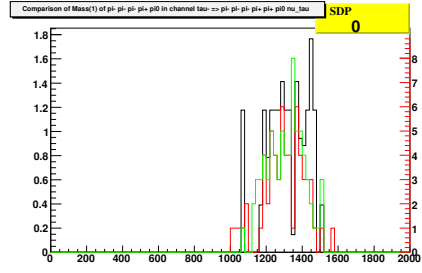
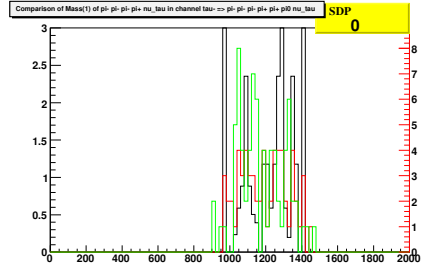
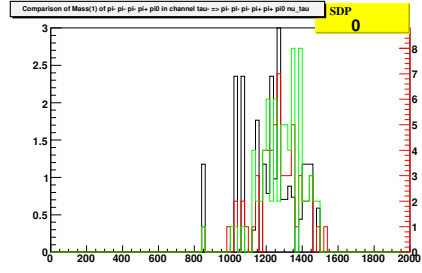
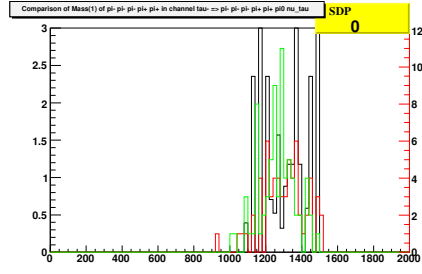
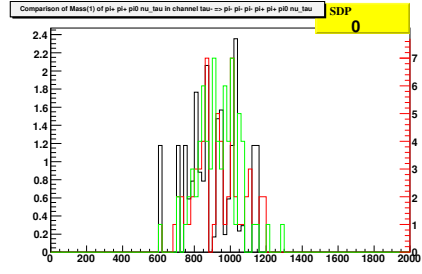
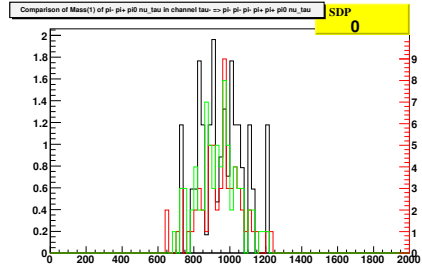
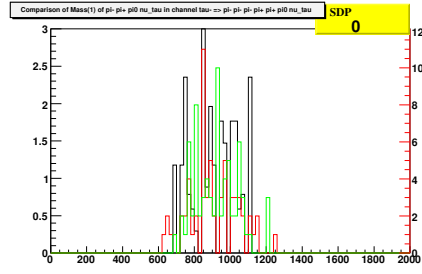


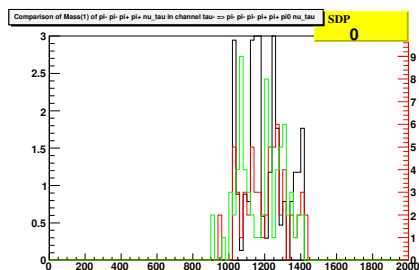
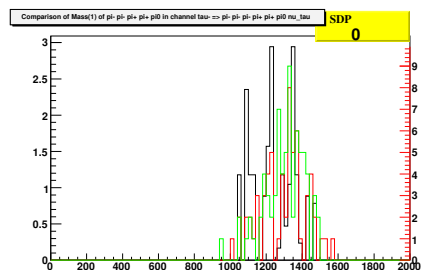
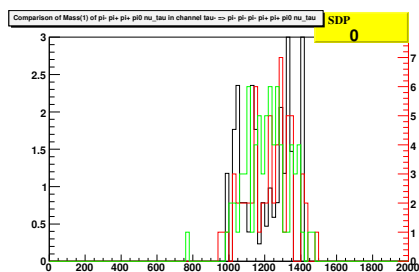
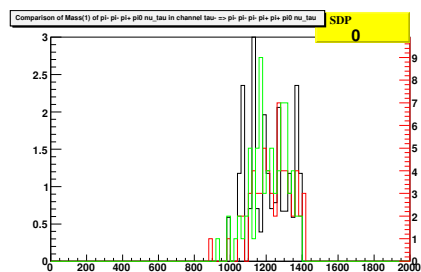
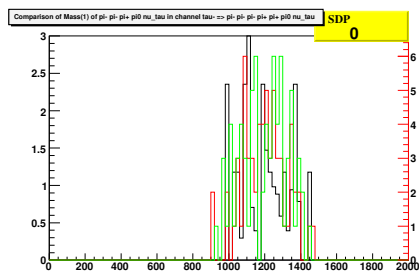
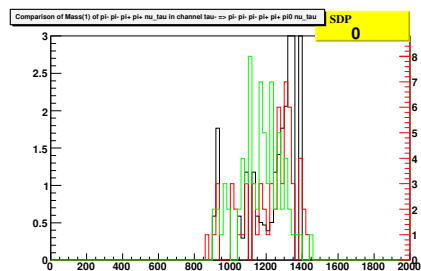
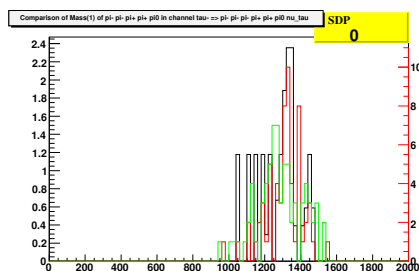
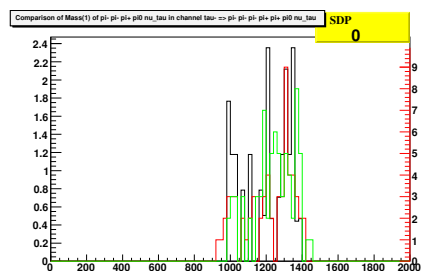
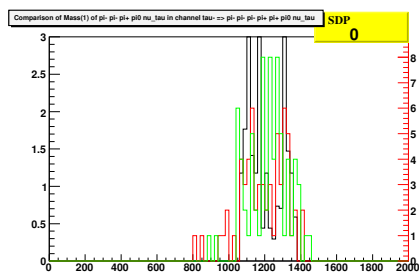
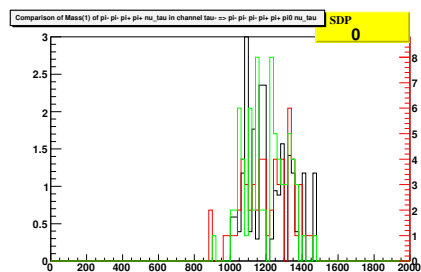


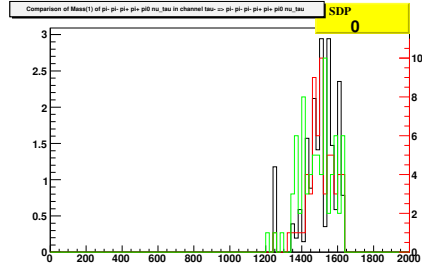
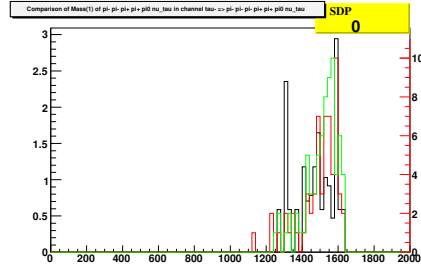
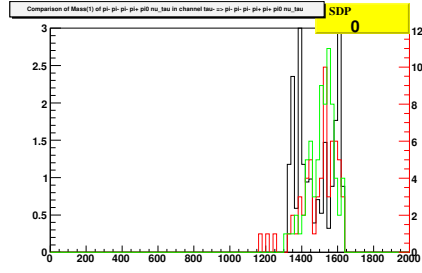
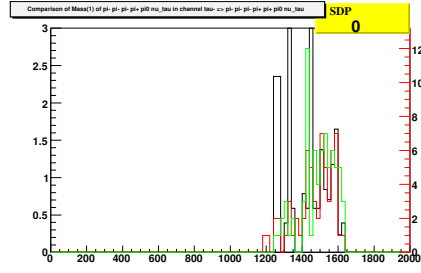
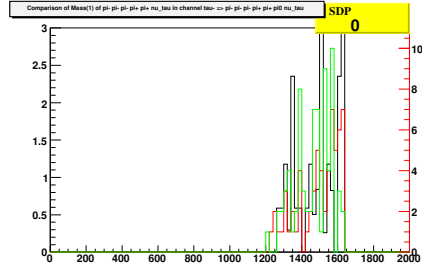
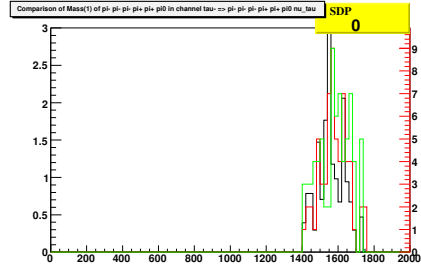
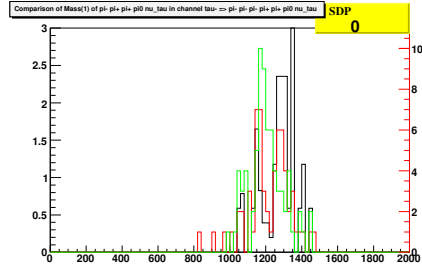
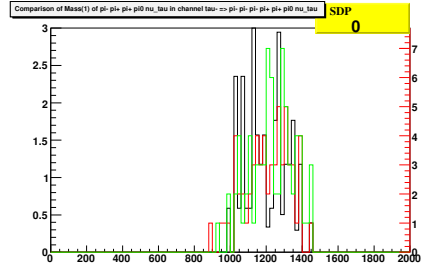
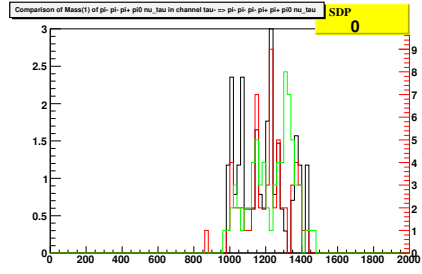
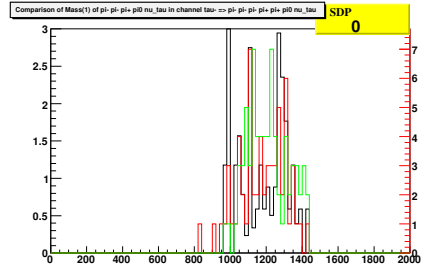


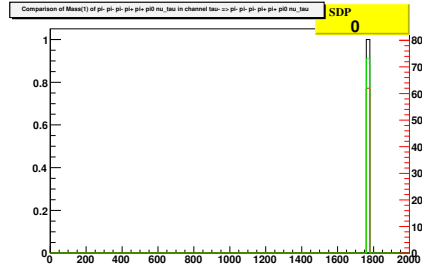
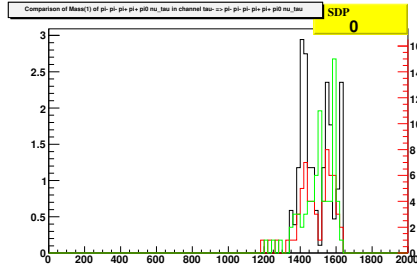








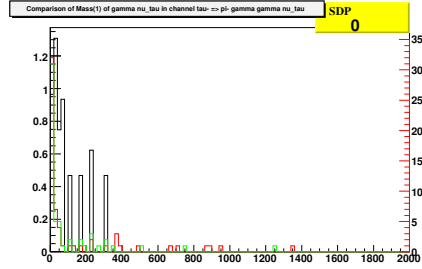
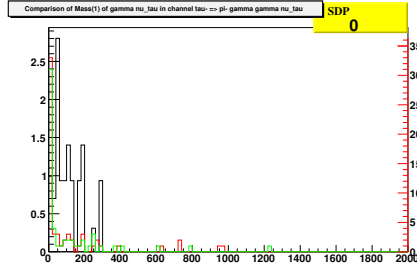
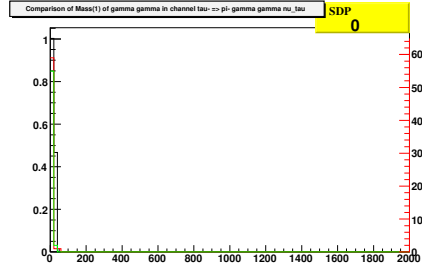
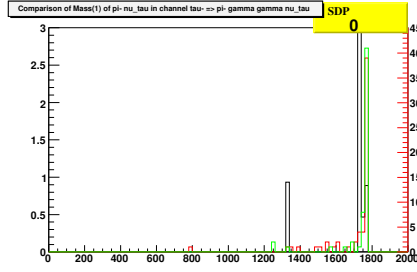
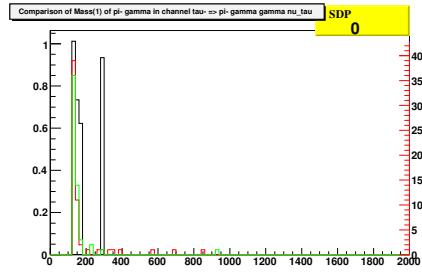
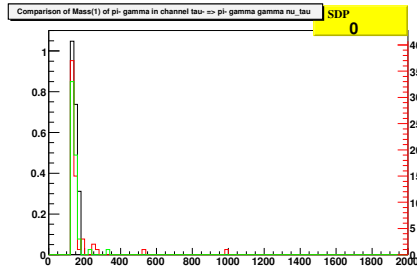


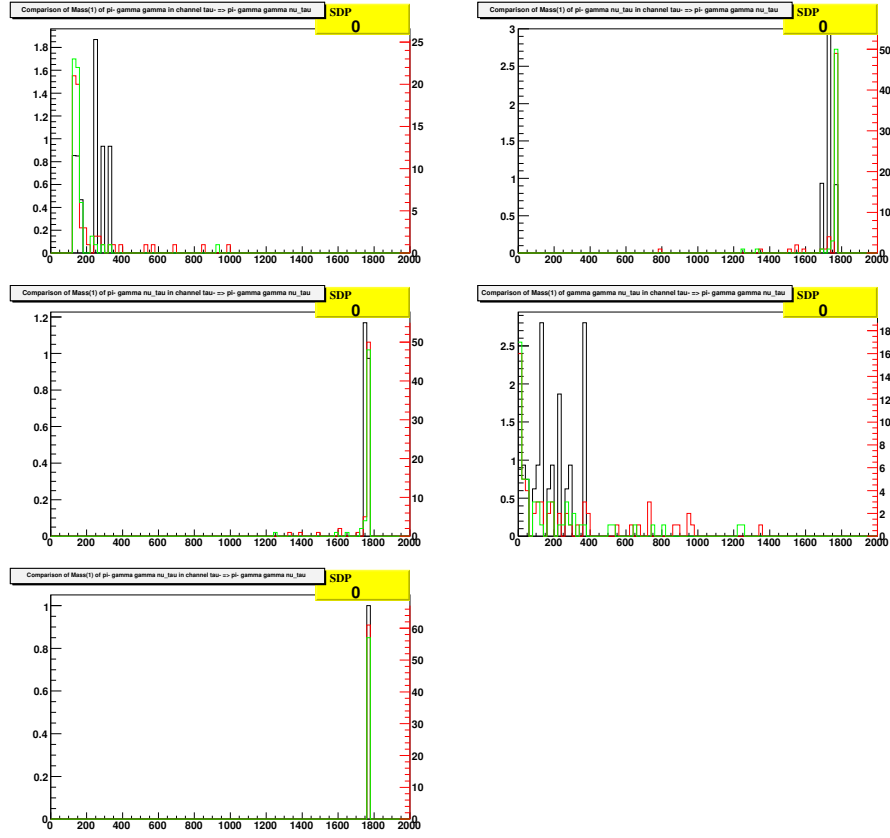


36 Decay Channel: $\tau^- \rightarrow \pi^- \gamma \nu_\tau$

Number of events from generator 1: 61

Number of events from generator 2: 57

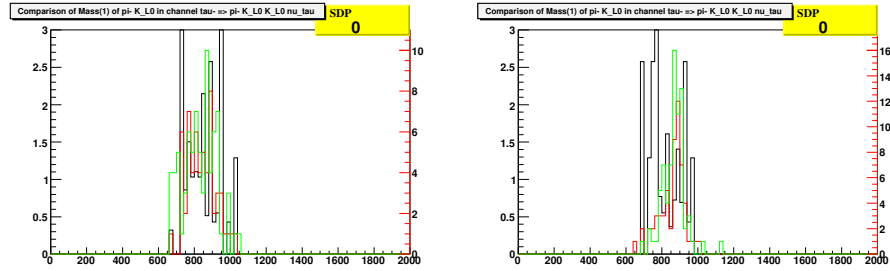


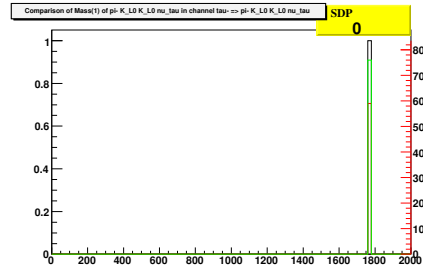
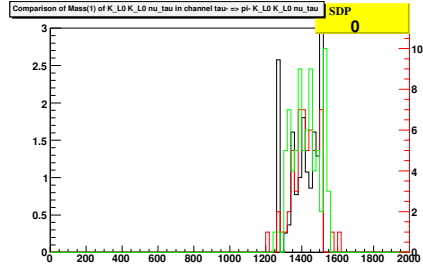
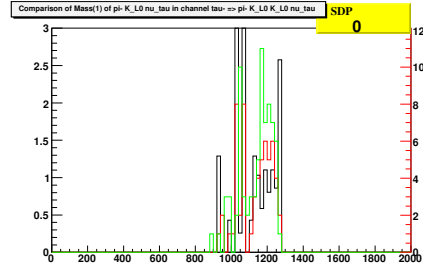
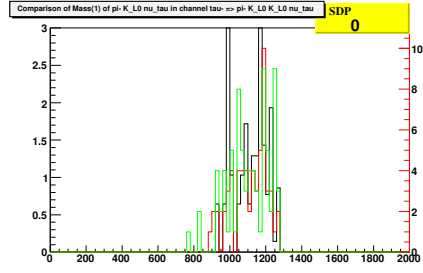
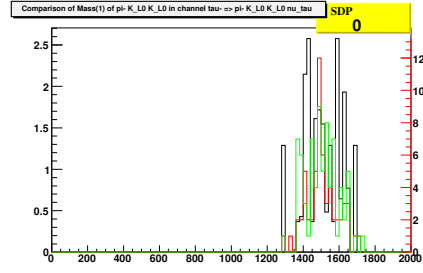
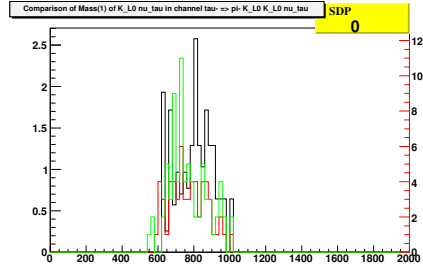
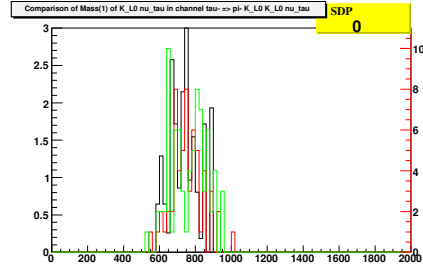
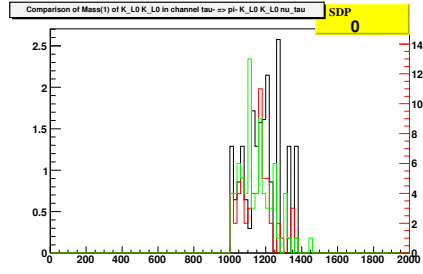
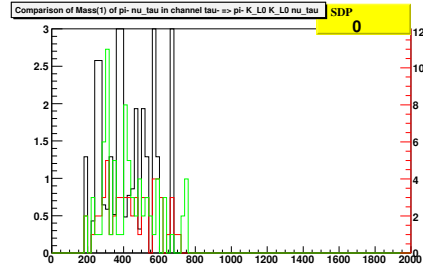


37 Decay Channel: $\tau^- \rightarrow \pi^- K_L^0 K_L^0 \nu_\tau$

Number of events from generator 1: 59

Number of events from generator 2: 76

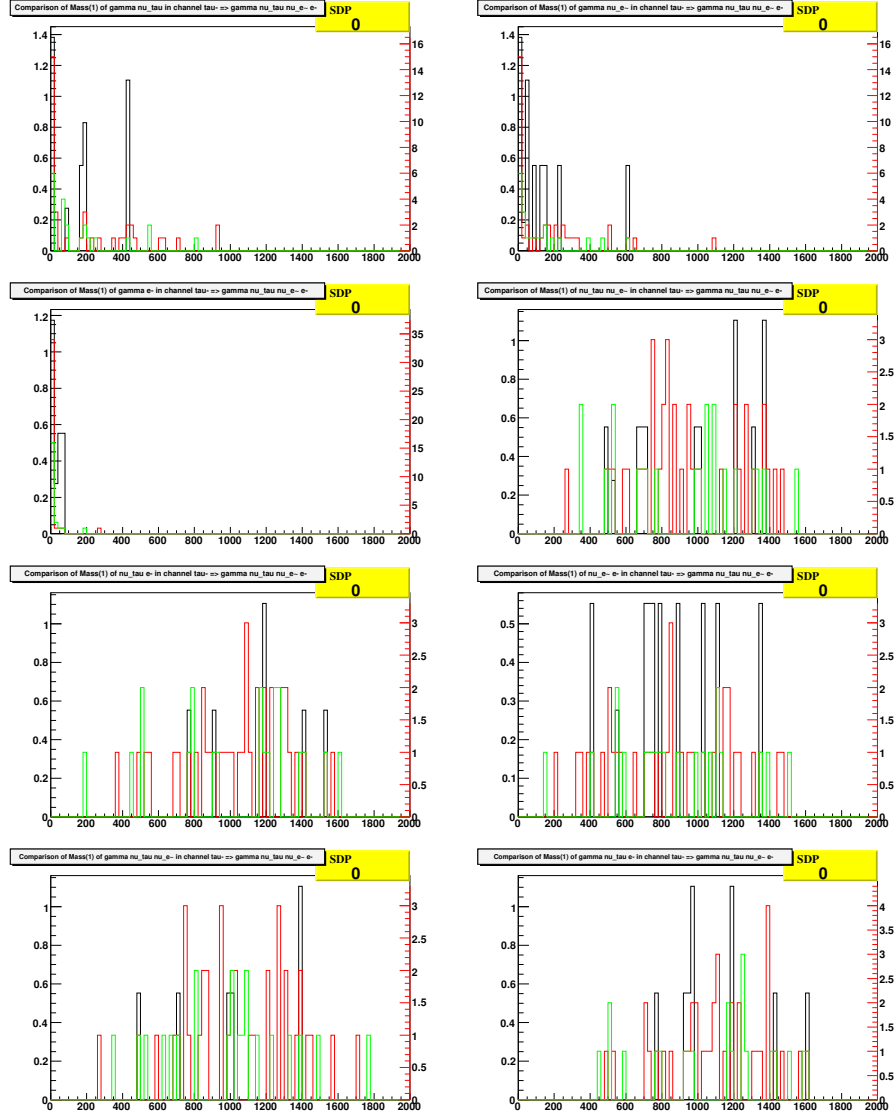


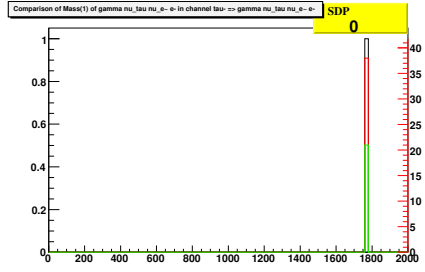
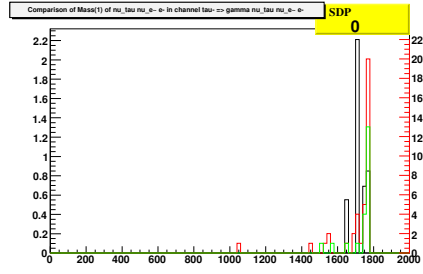
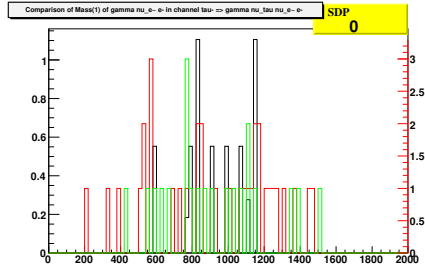


38 Decay Channel: $\tau^- \rightarrow \gamma \nu_\tau \tilde{\nu}_e e^-$

Number of events from **generator 1**: 38

Number of events from **generator 2**: 21

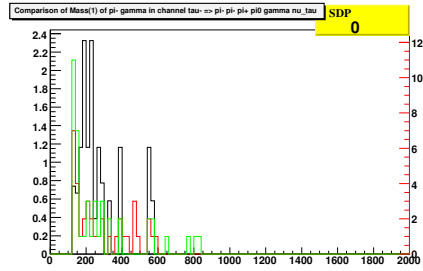
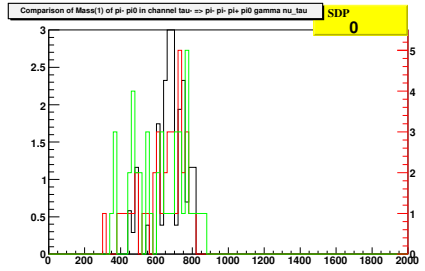
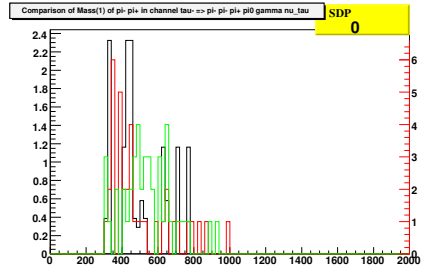
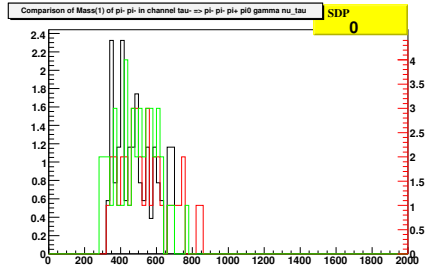


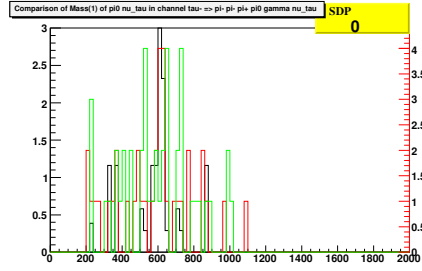
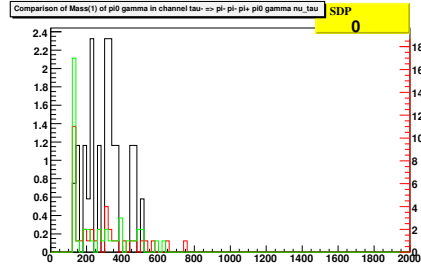
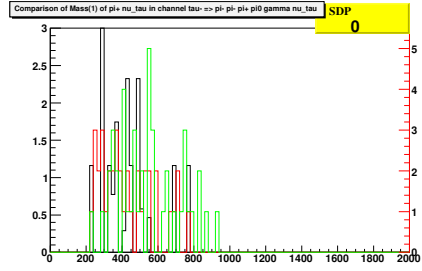
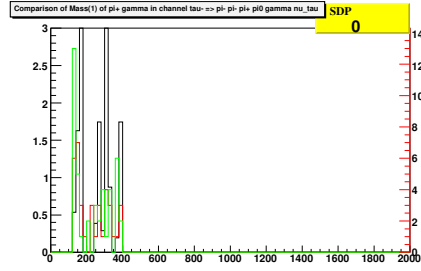
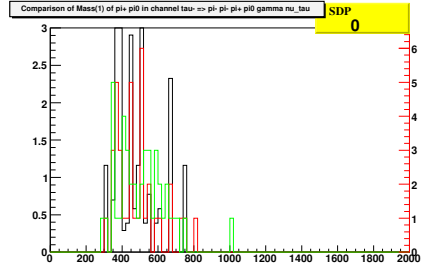
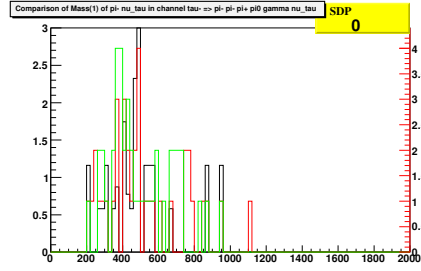
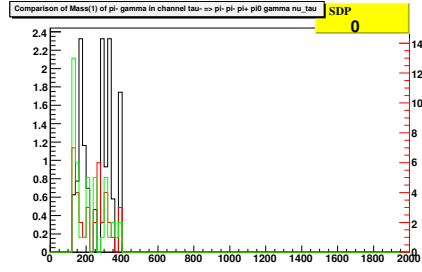
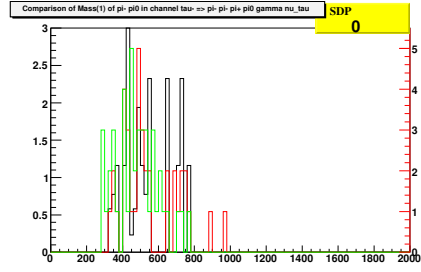
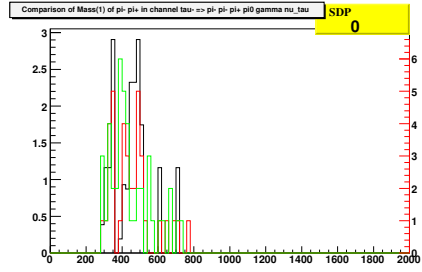
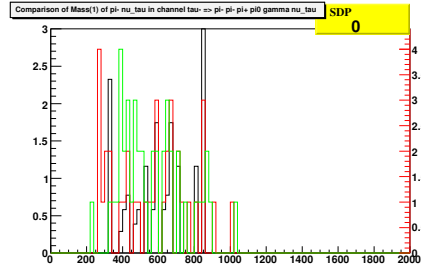


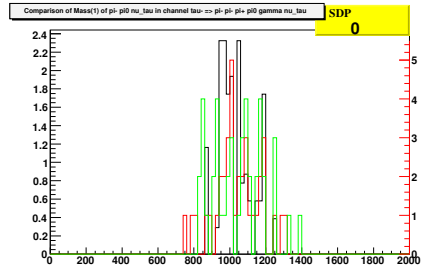
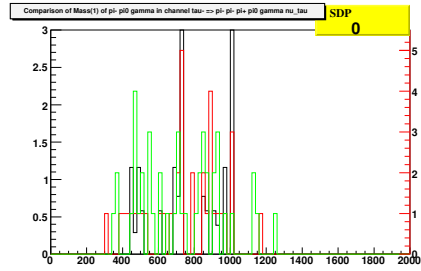
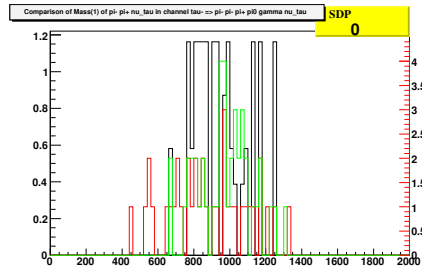
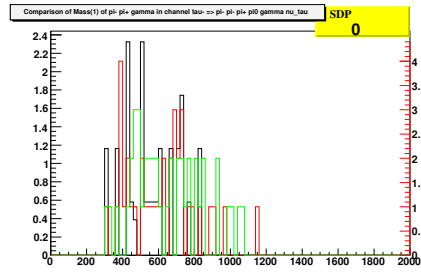
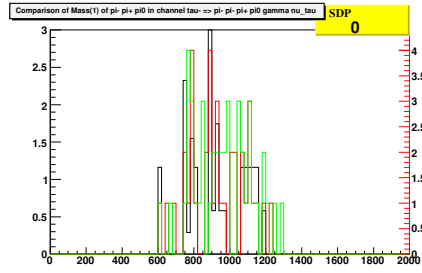
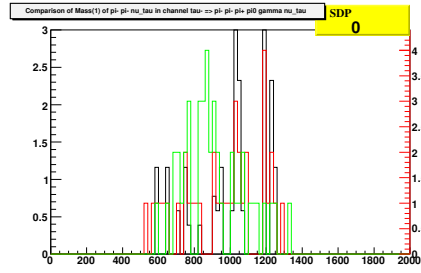
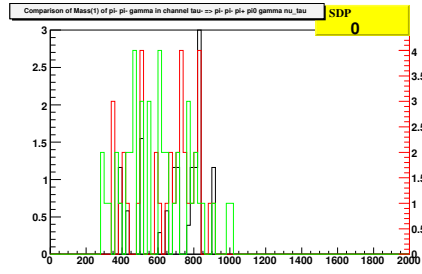
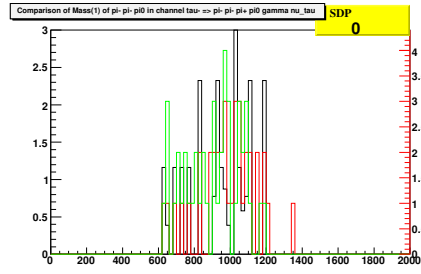
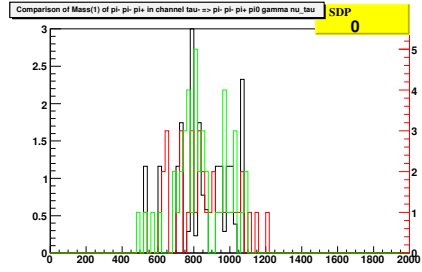
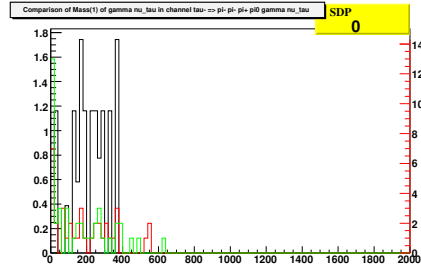
39 Decay Channel: $\tau^- \rightarrow \pi^- \pi^- \pi^+ \pi^0 \gamma \nu_\tau$

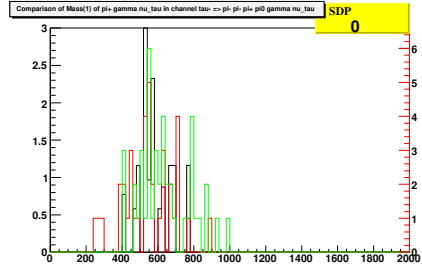
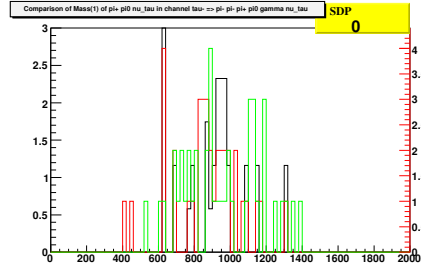
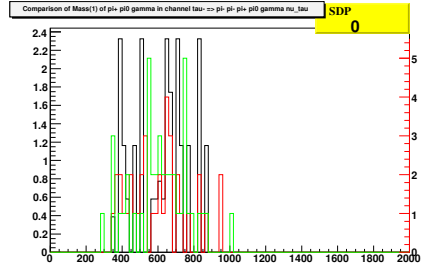
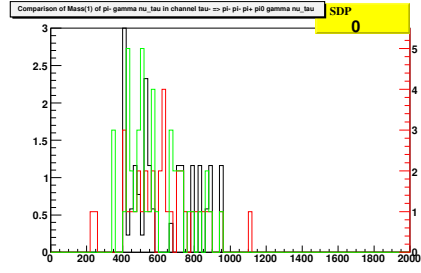
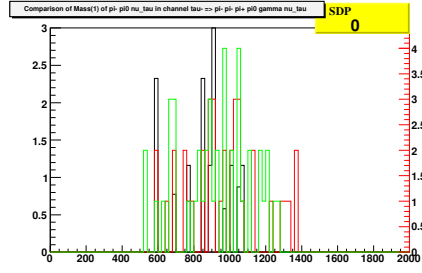
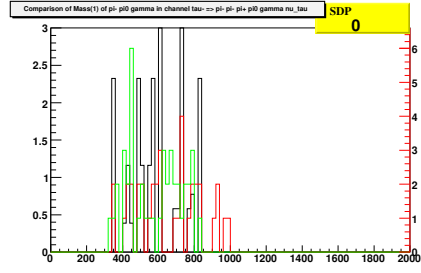
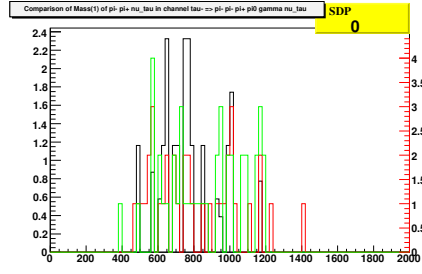
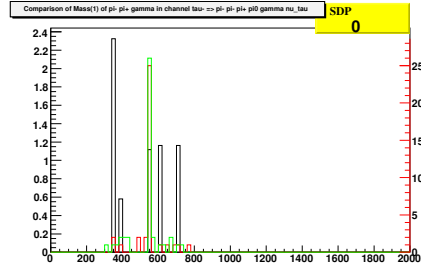
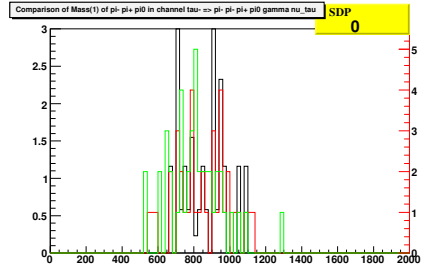
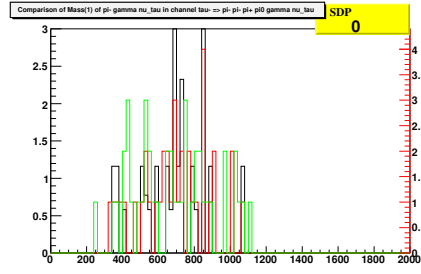
Number of events from generator 1: 37

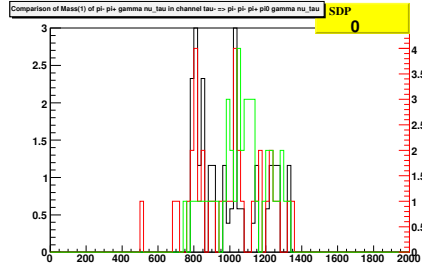
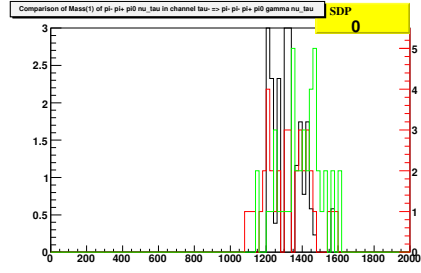
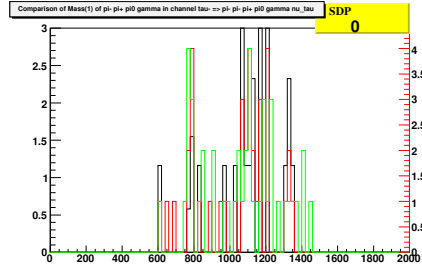
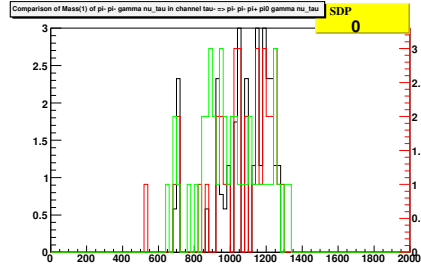
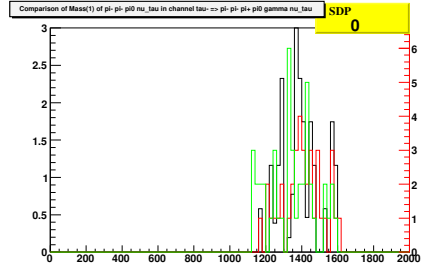
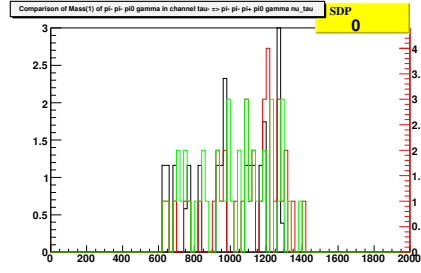
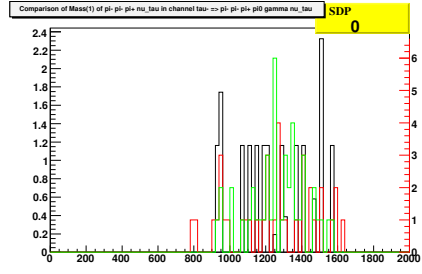
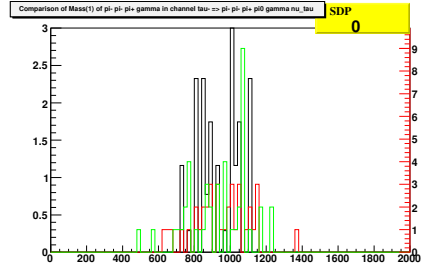
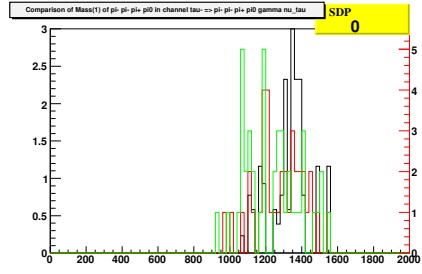
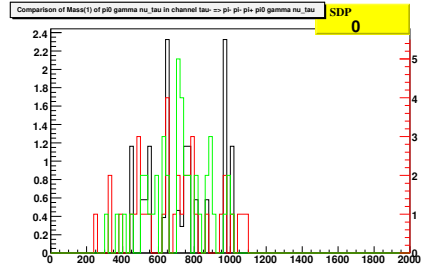
Number of events from generator 2: 43

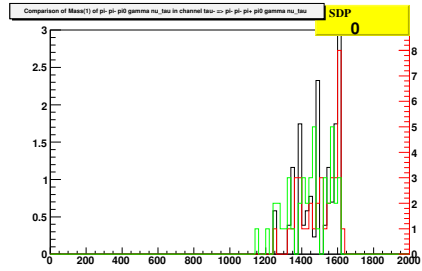
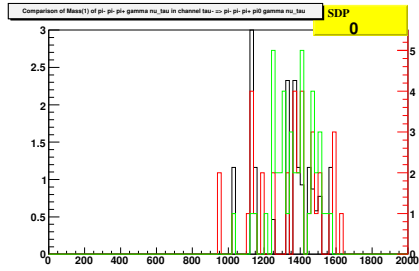
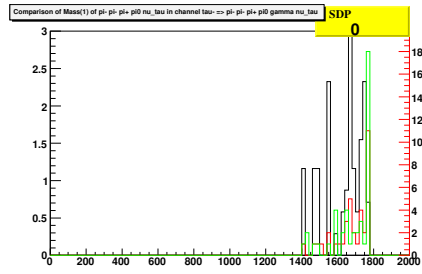
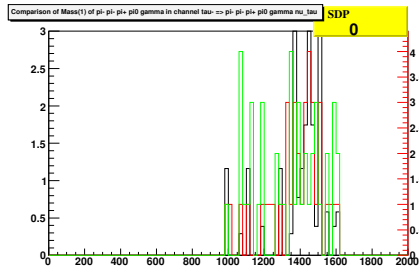
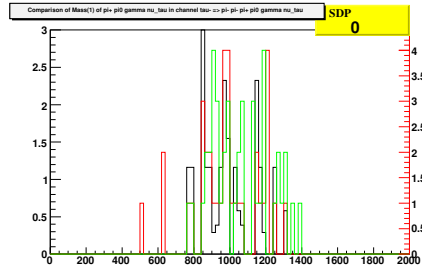
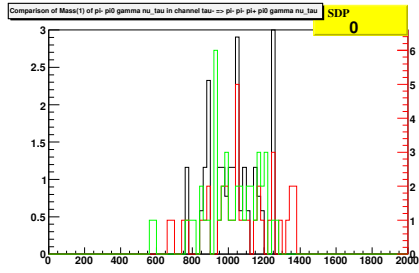
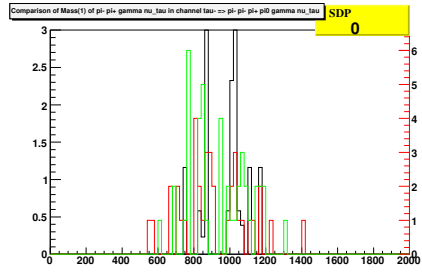
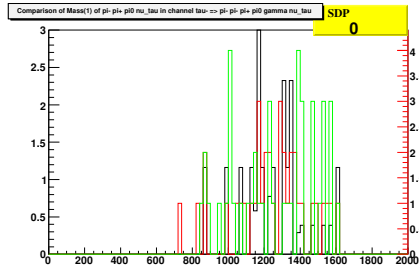
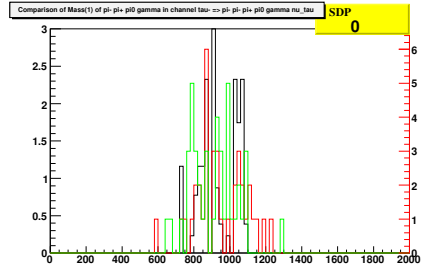
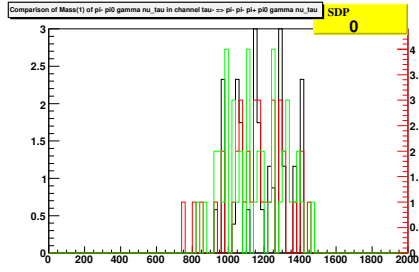


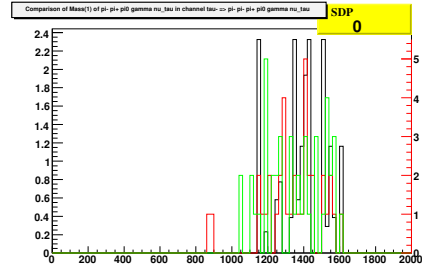
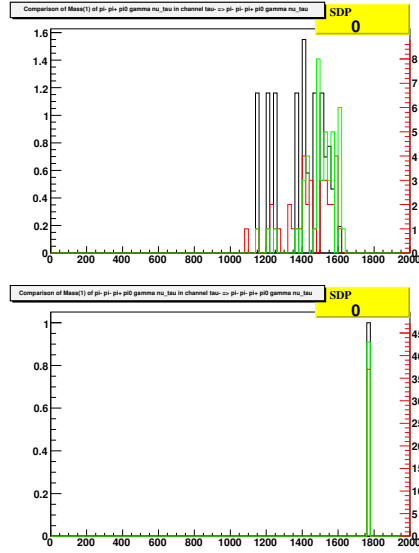








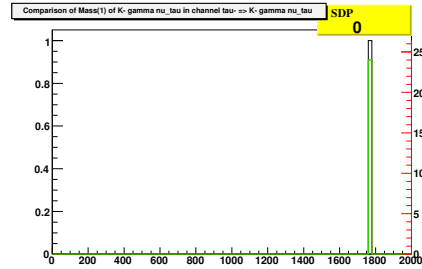
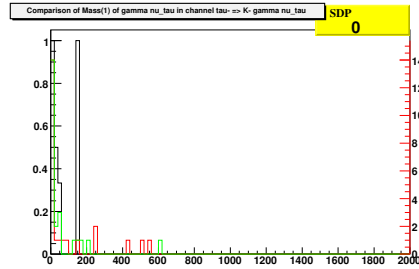
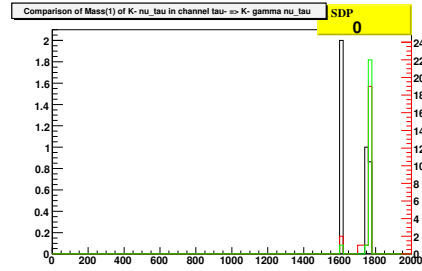
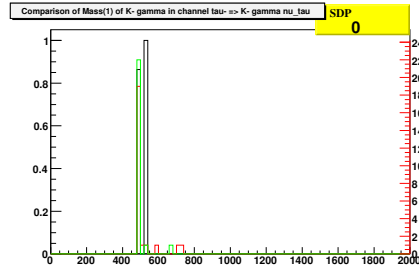




40 Decay Channel: $\tau^- \rightarrow K^- \gamma \nu_\tau$

Number of events from generator 1: 24

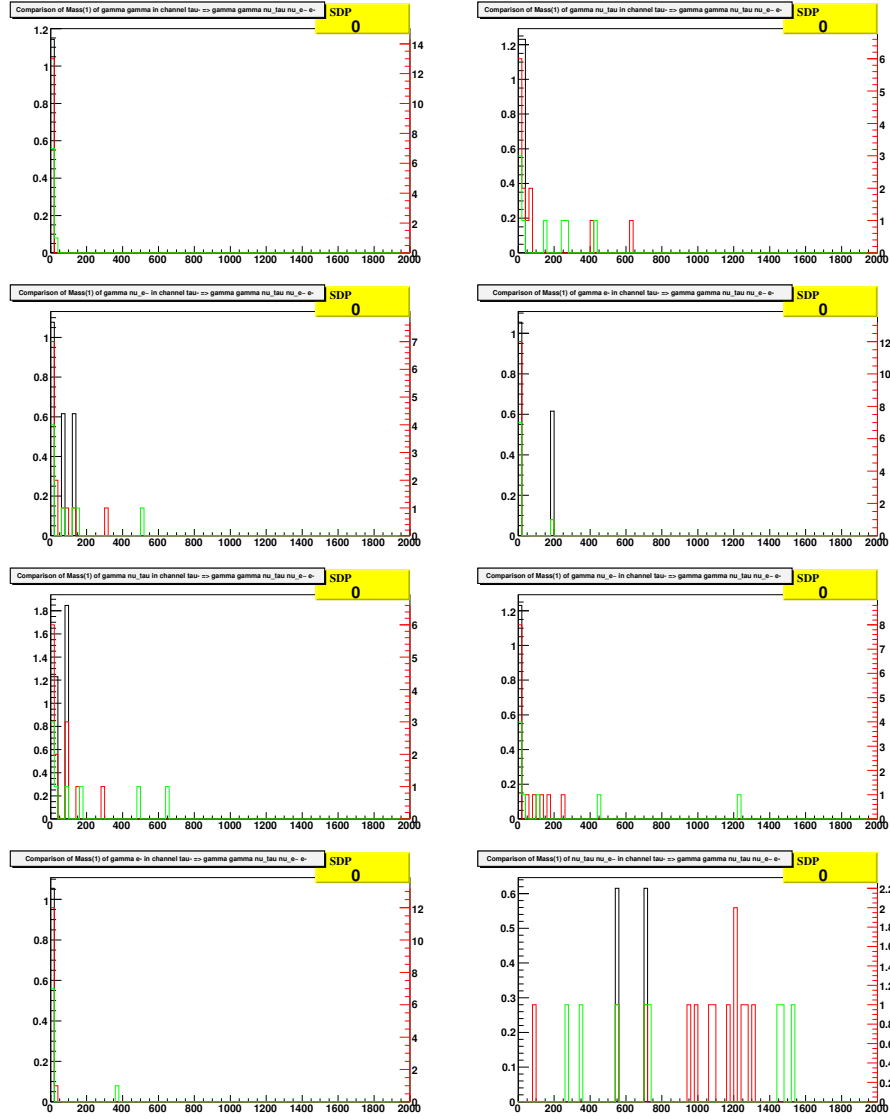
Number of events from generator 2: 24

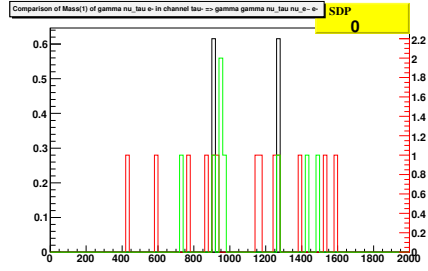
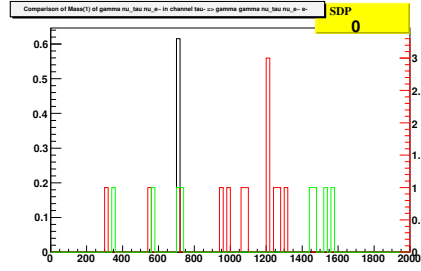
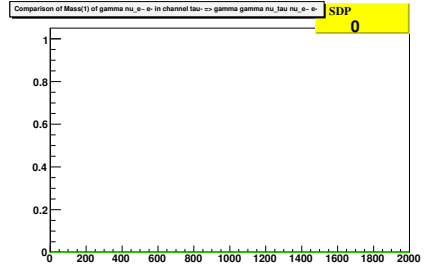
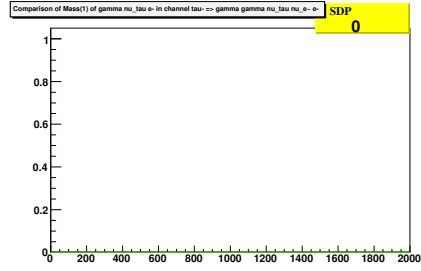
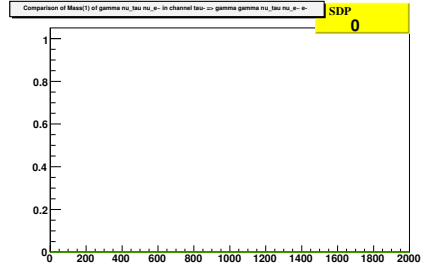
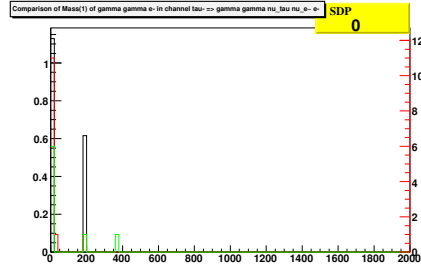
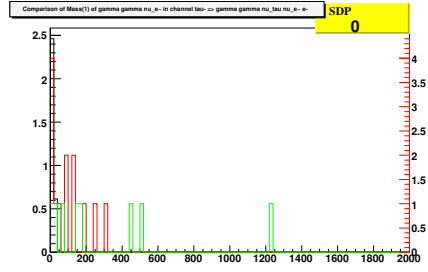
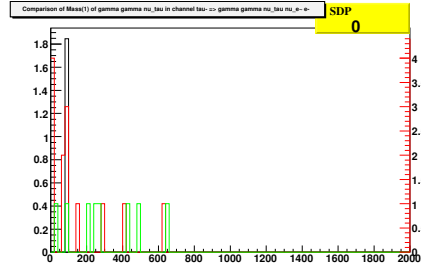
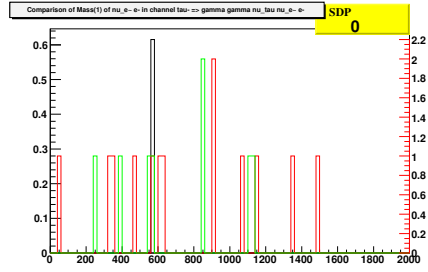
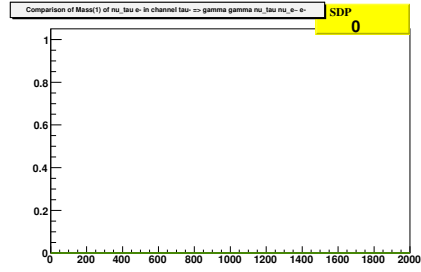


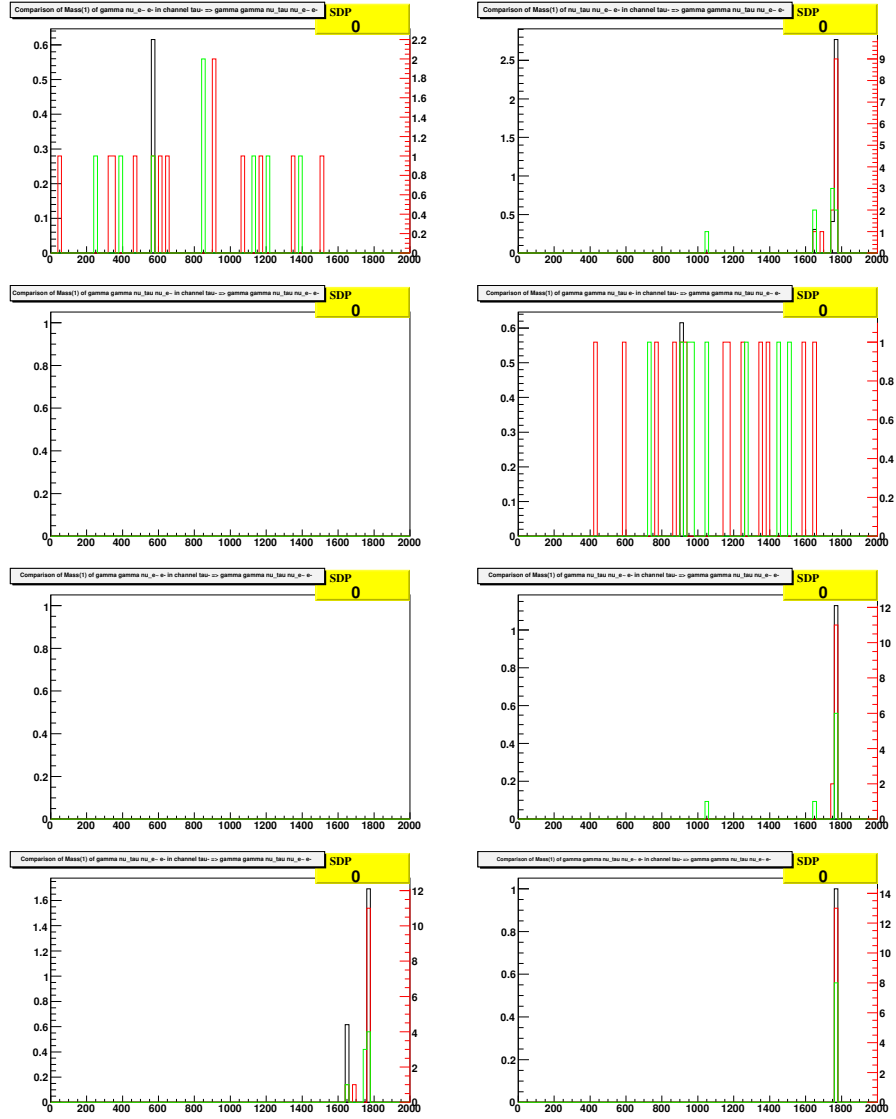
41 Decay Channel: $\tau^- \rightarrow \gamma\gamma\tau\tilde{\nu}_e e^-$

Number of events from **generator 1**: 13

Number of events from **generator 2**: 8



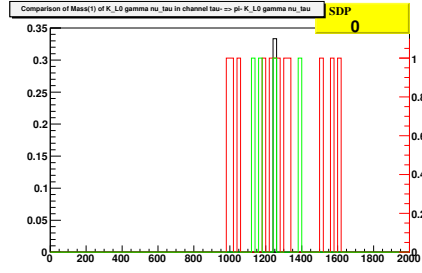
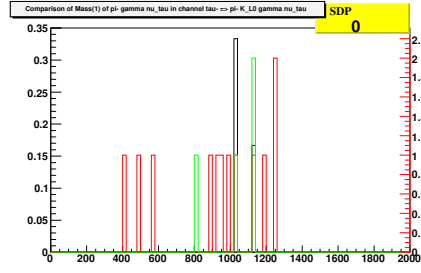
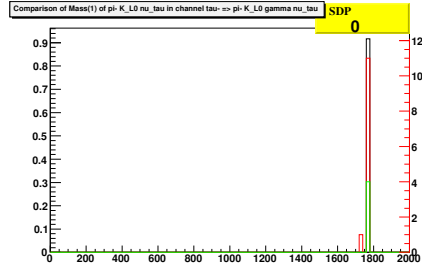
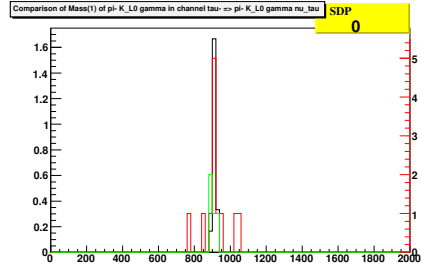
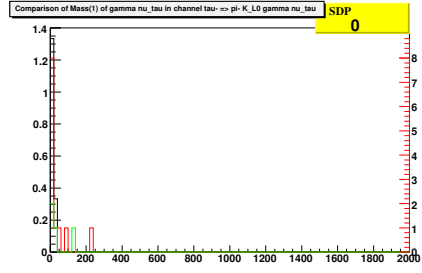
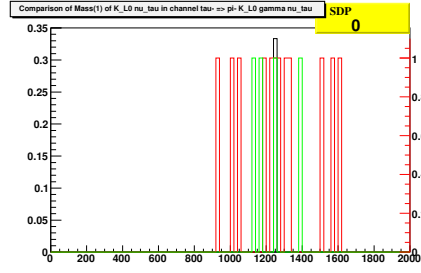
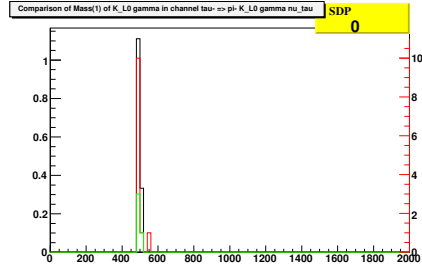
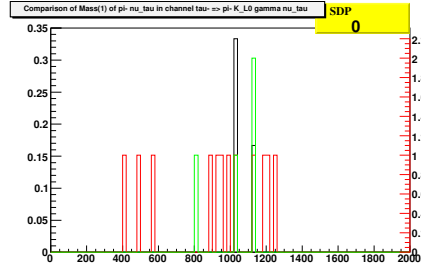
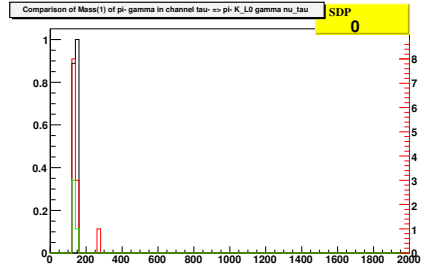
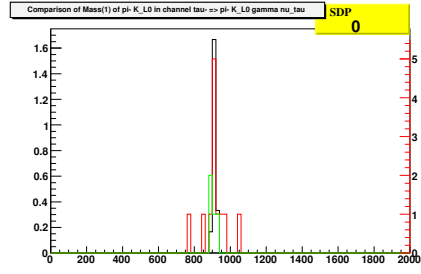


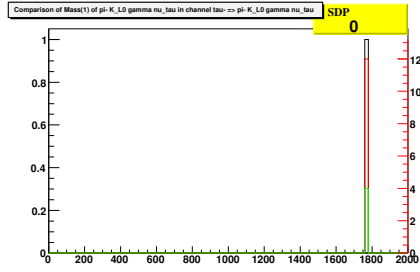


42 Decay Channel: $\tau^- \rightarrow \pi^- K_L^0 \gamma \nu_\tau$

Number of events from generator 1: 12

Number of events from generator 2: 4

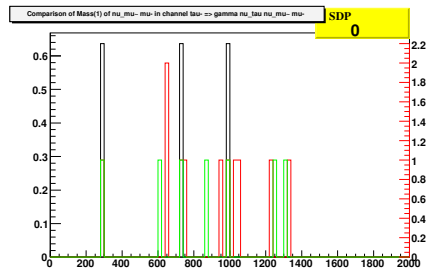
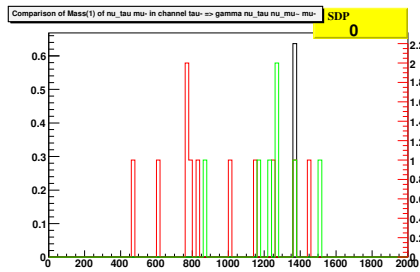
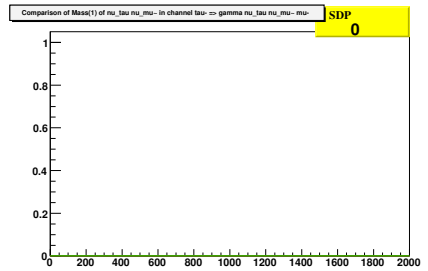
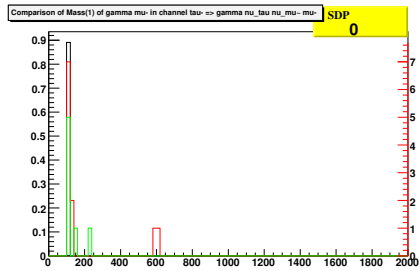
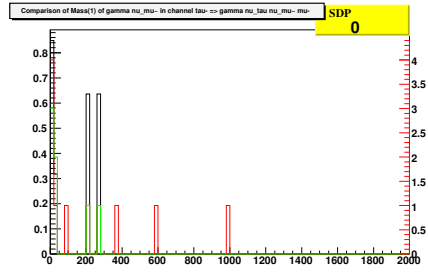
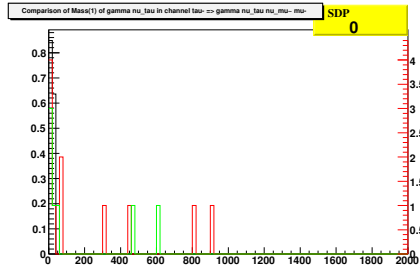


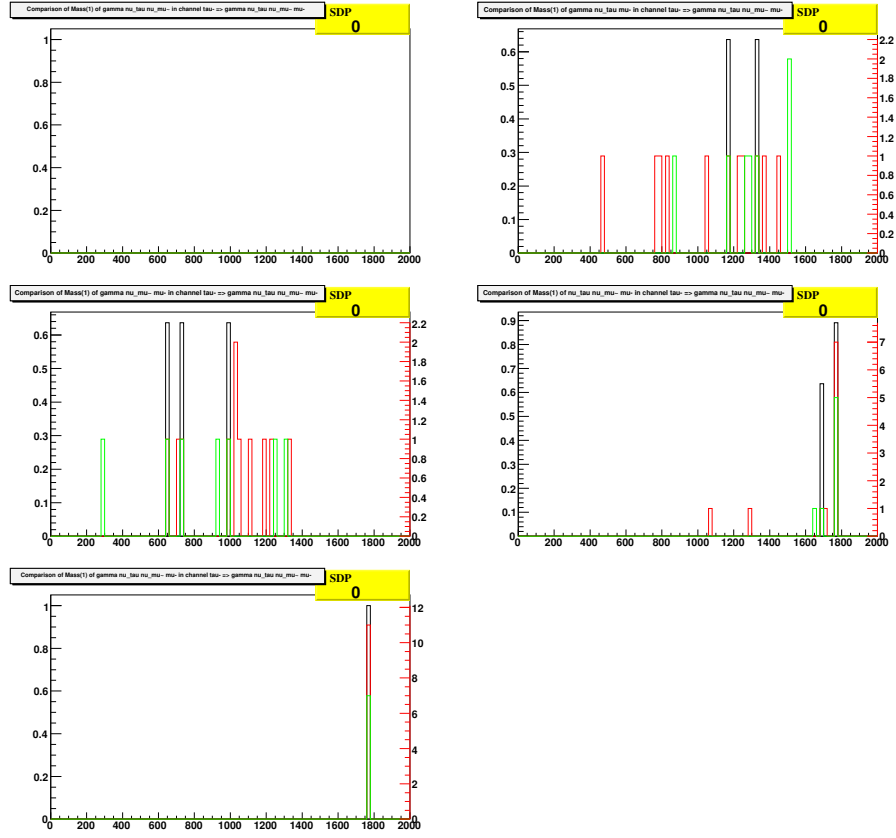


43 Decay Channel: $\tau^- \rightarrow \gamma \nu_\tau \tilde{\nu}_\mu \mu^-$

Number of events from generator 1: 11

Number of events from generator 2: 7

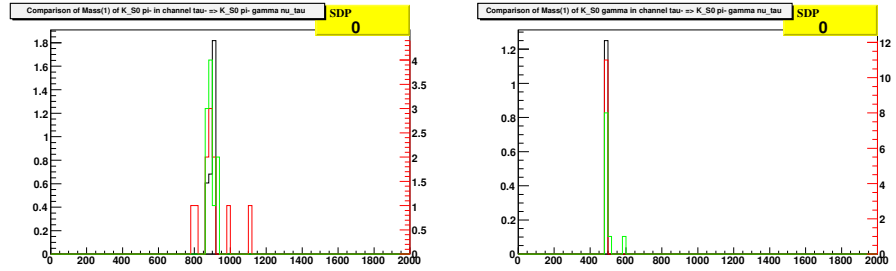


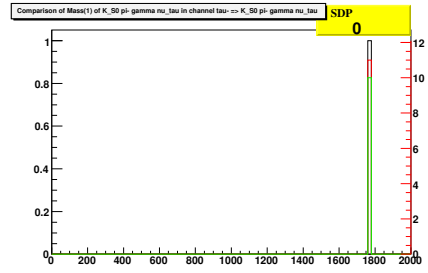
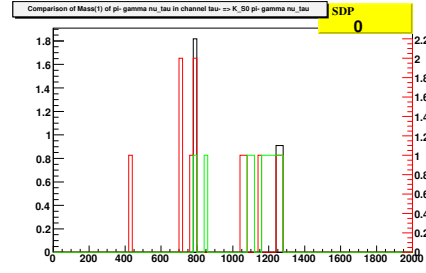
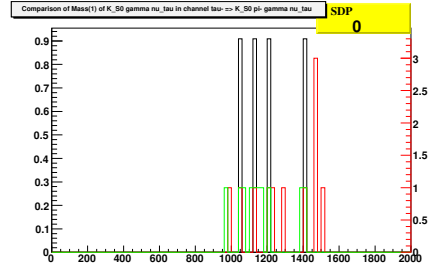
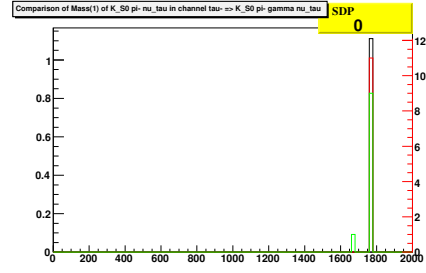
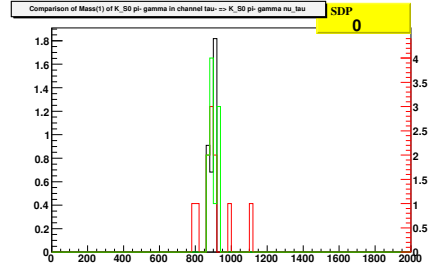
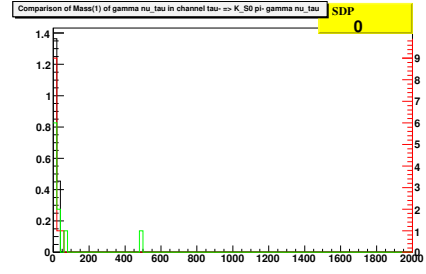
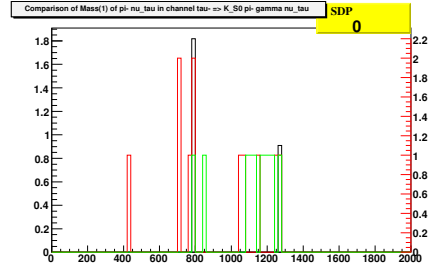
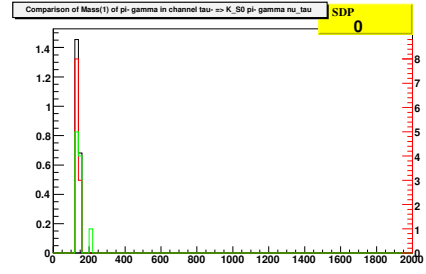
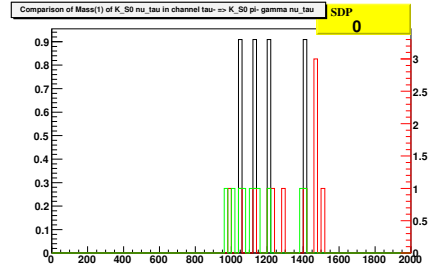


44 Decay Channel: $\tau^- \rightarrow K_S^0 \pi^- \gamma \nu_\tau$

Number of events from generator 1: 11

Number of events from generator 2: 10

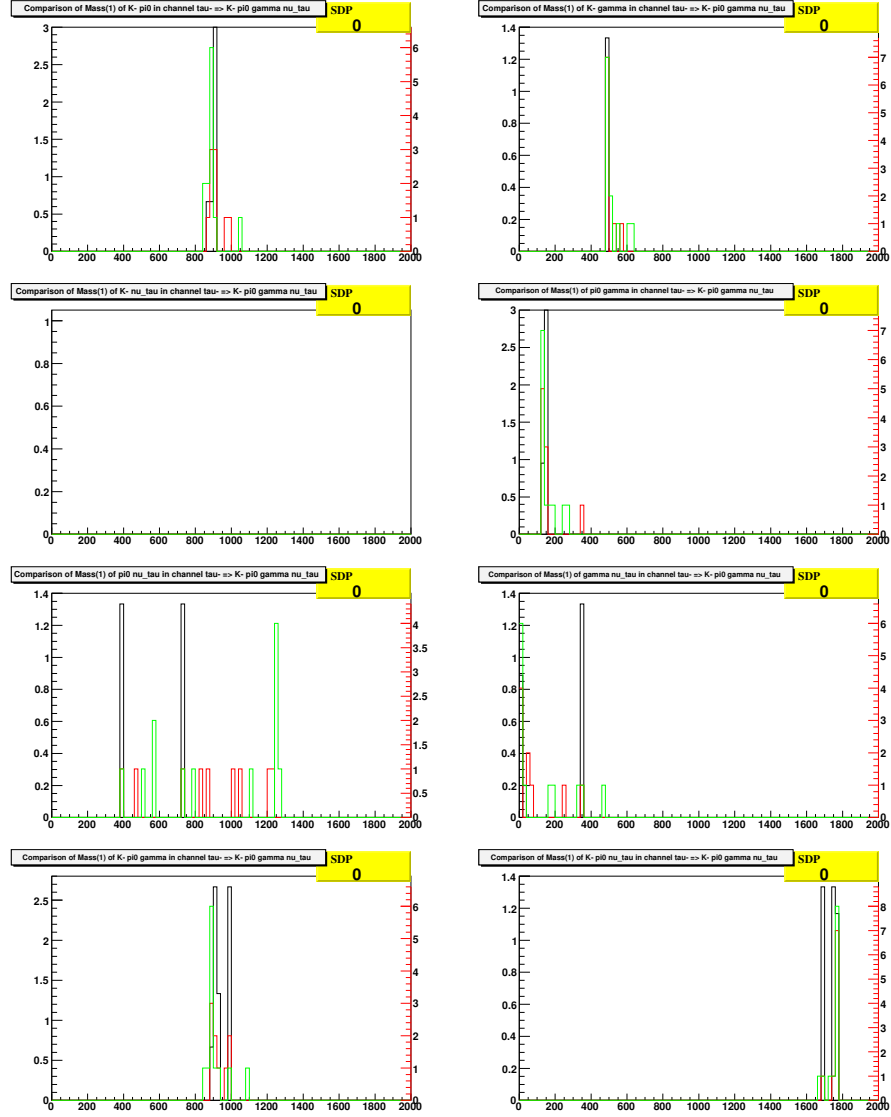


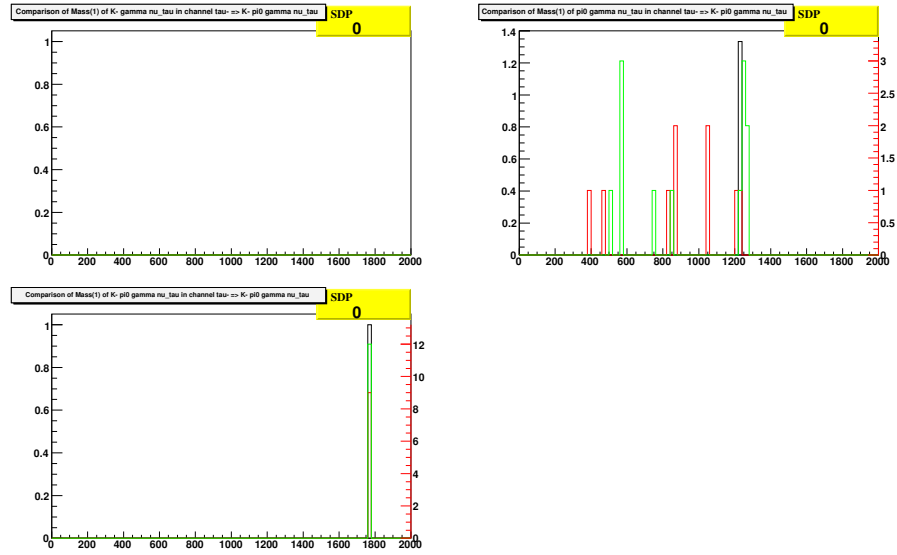


45 Decay Channel: $\tau^- \rightarrow K^- \pi^0 \gamma \nu_\tau$

Number of events from **generator 1**: 9

Number of events from **generator 2**: 12

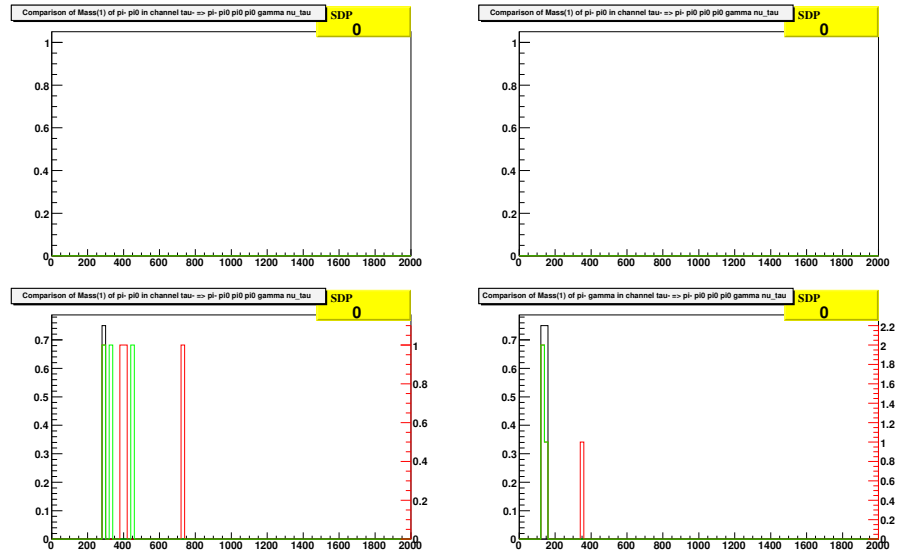


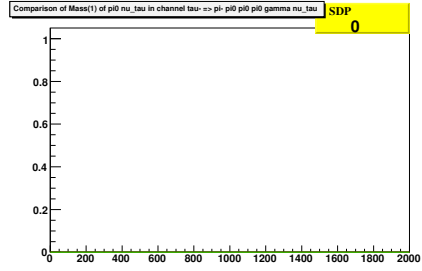
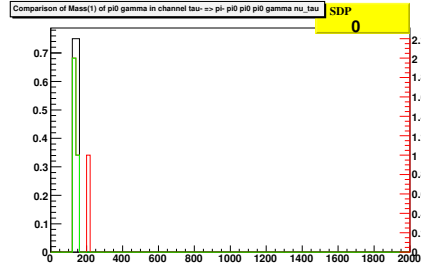
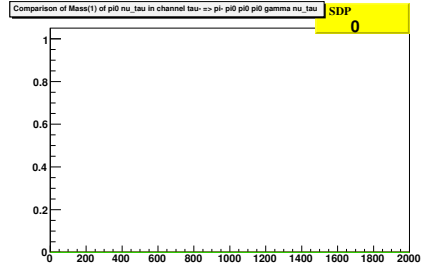
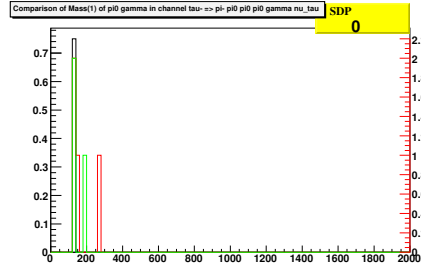
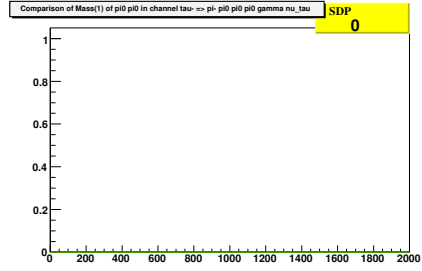
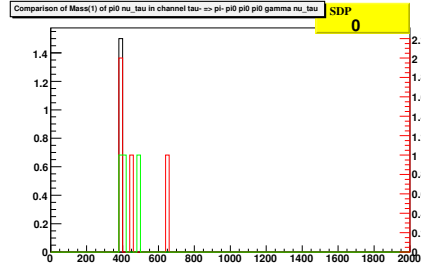
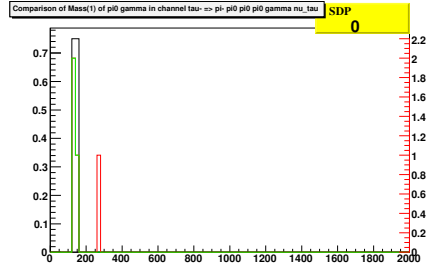
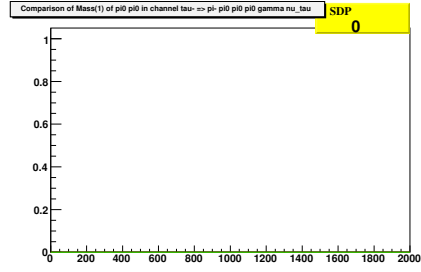
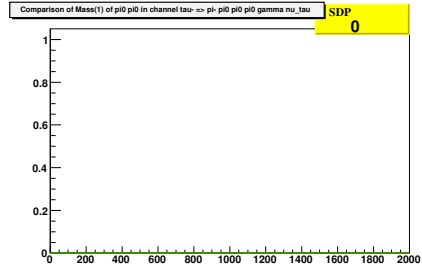
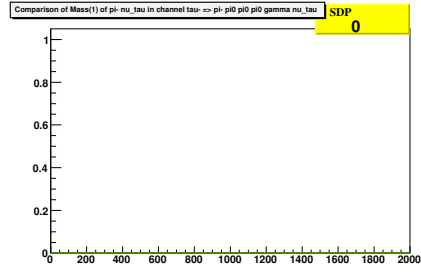


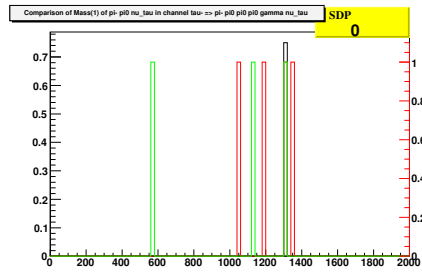
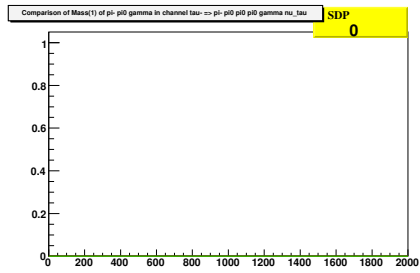
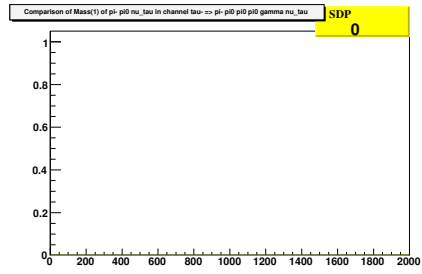
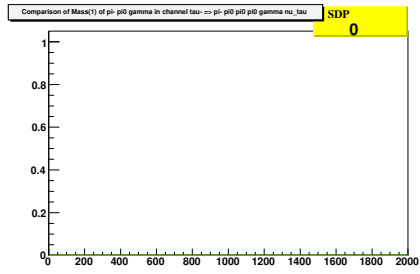
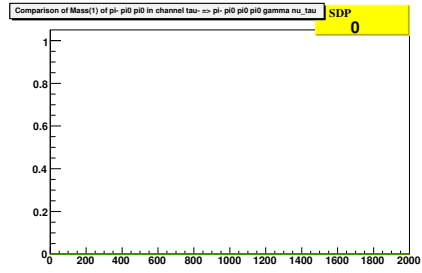
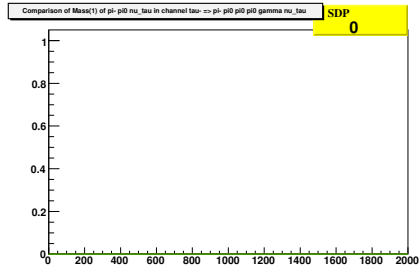
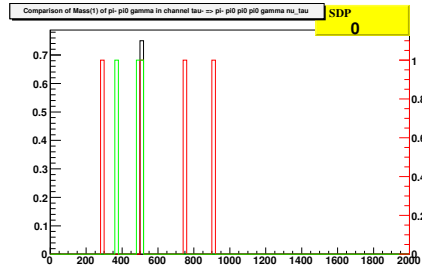
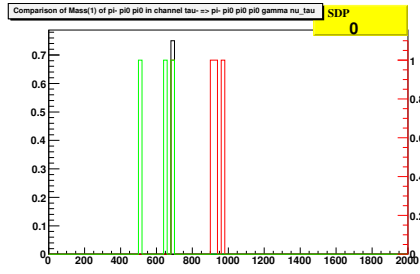
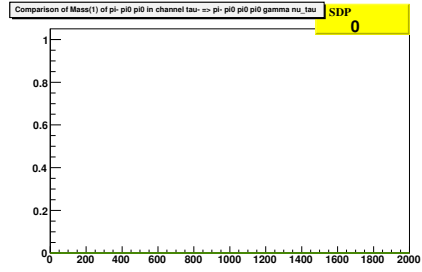
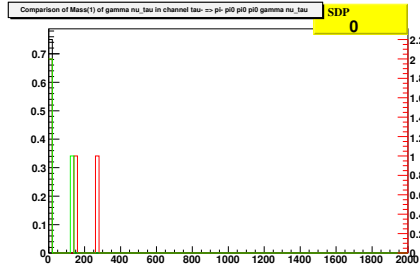
46 Decay Channel: $\tau^- \rightarrow \pi^- \pi^0 \pi^0 \pi^0 \gamma \nu_\tau$

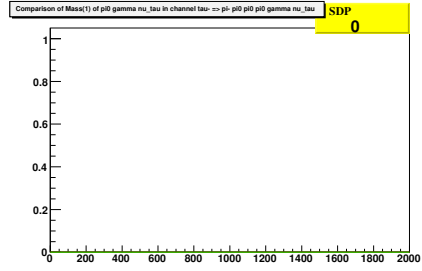
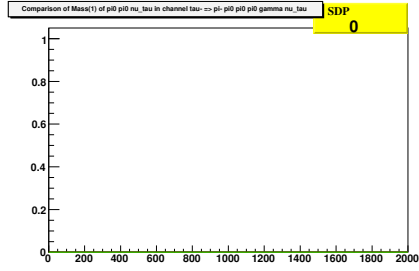
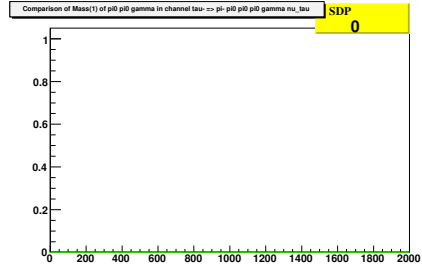
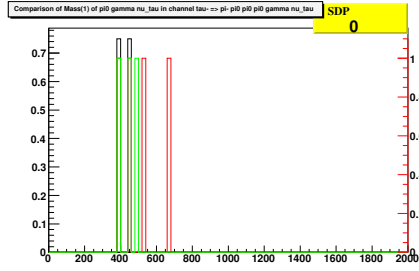
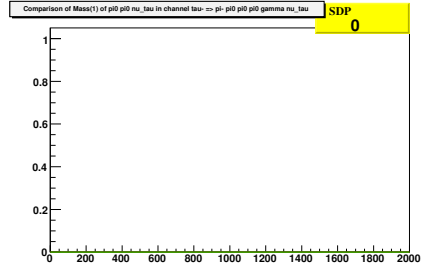
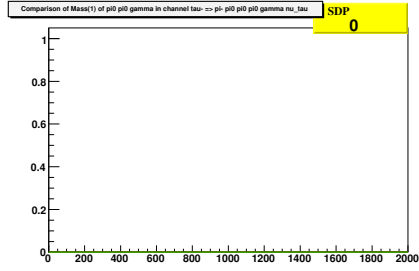
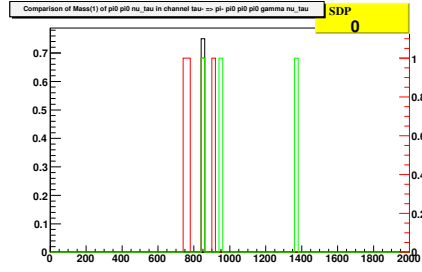
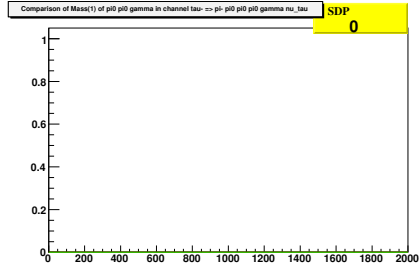
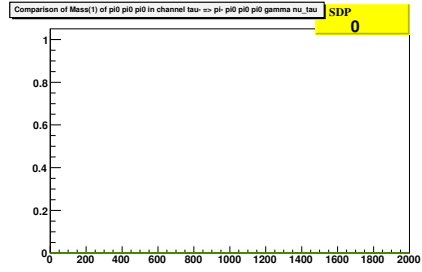
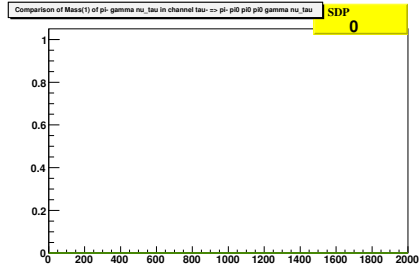
Number of events from generator 1: 4

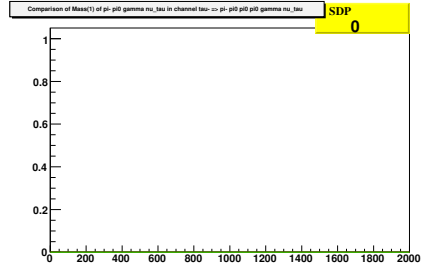
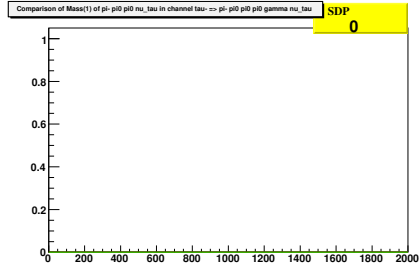
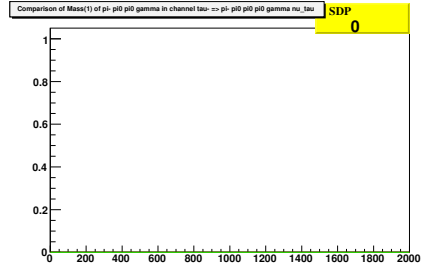
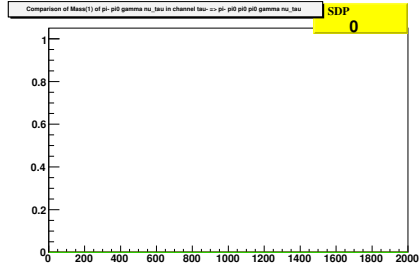
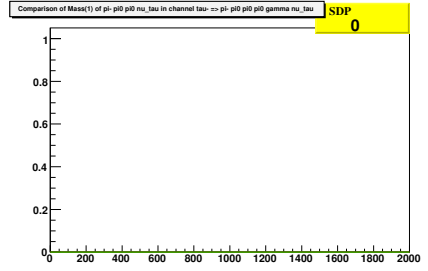
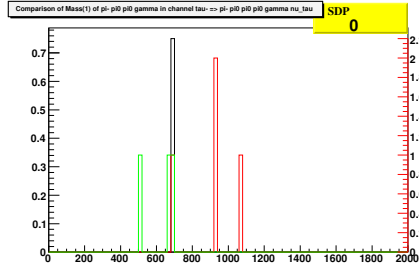
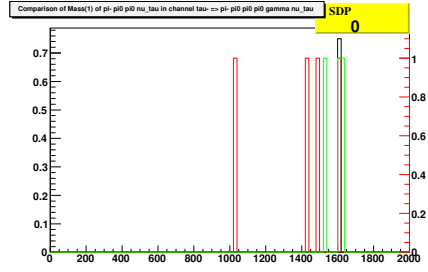
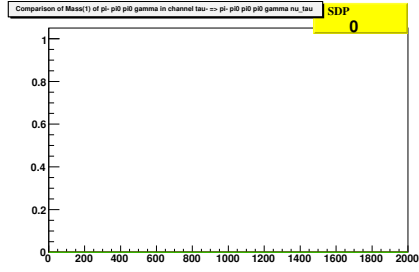
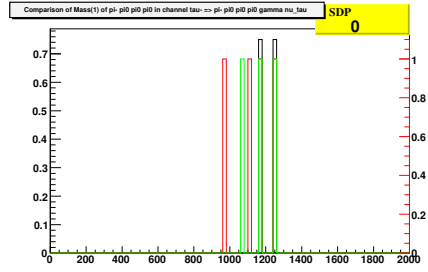
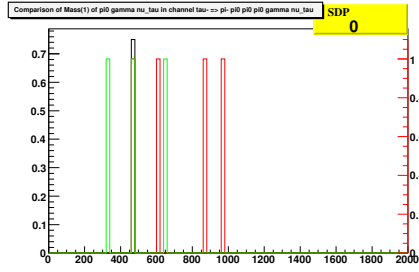
Number of events from generator 2: 3

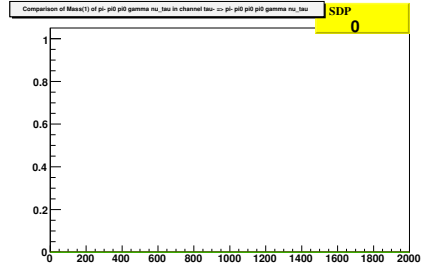
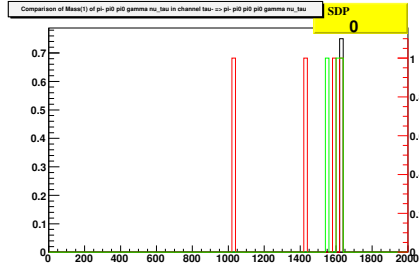
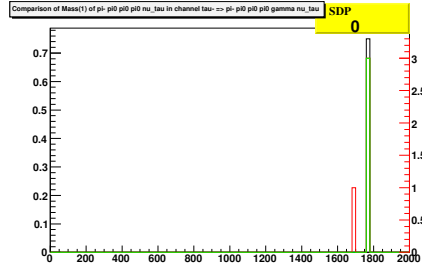
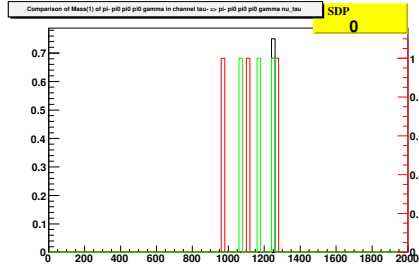
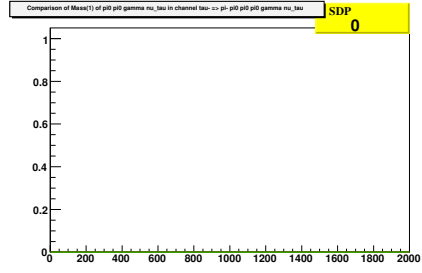
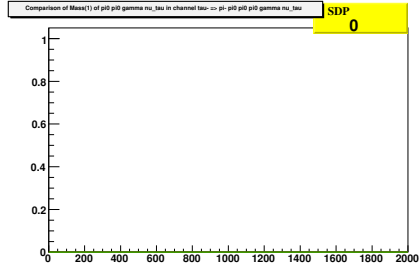
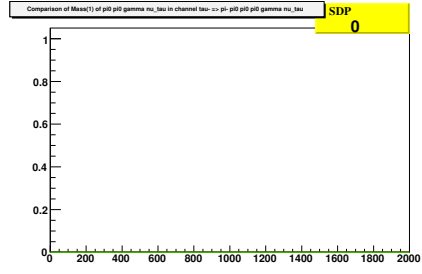
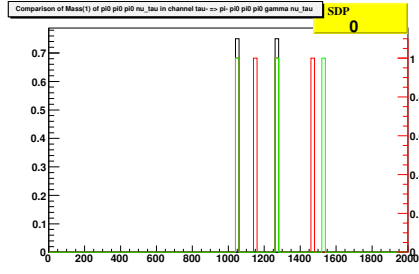
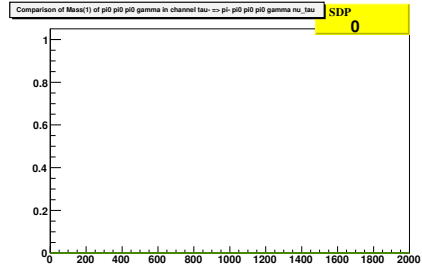
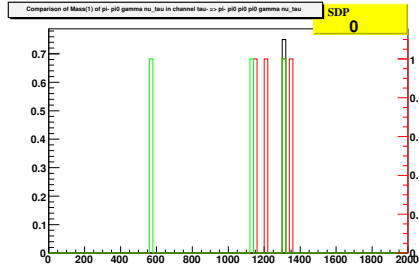


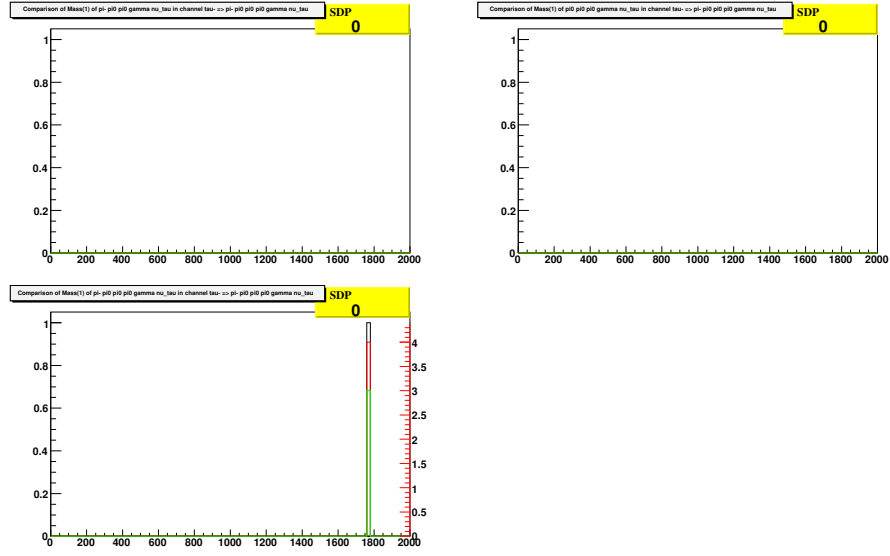








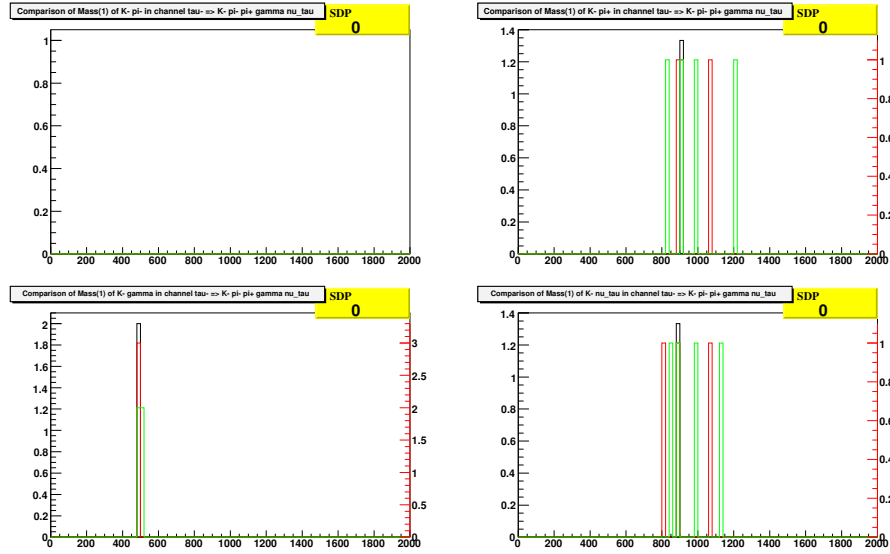


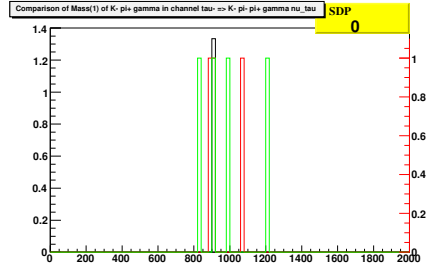
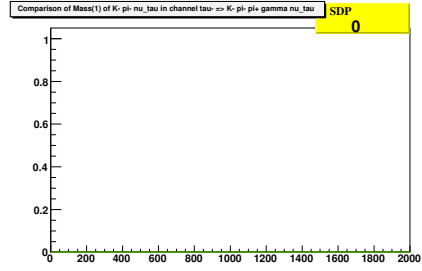
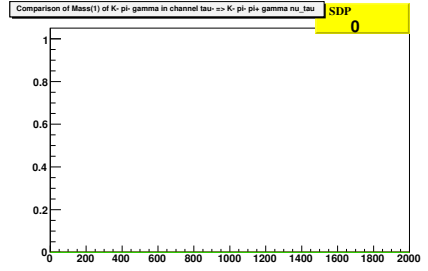
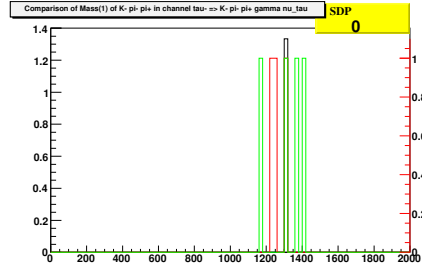
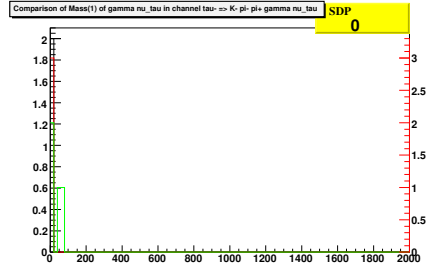
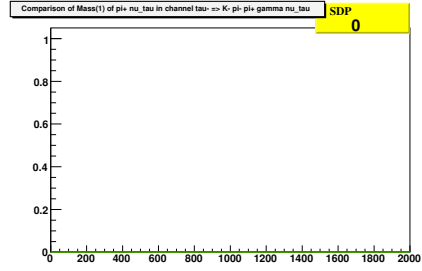
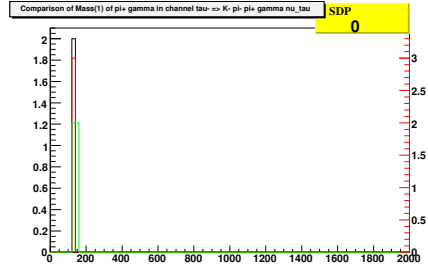
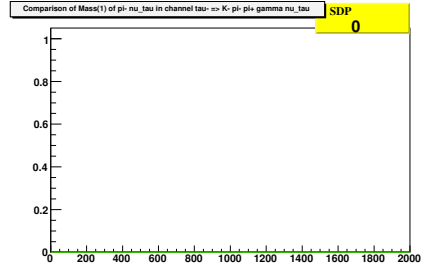
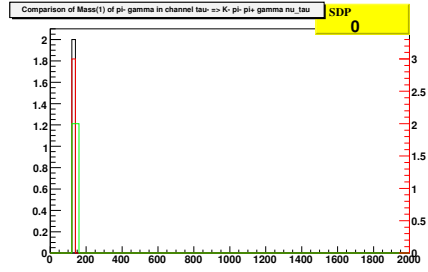
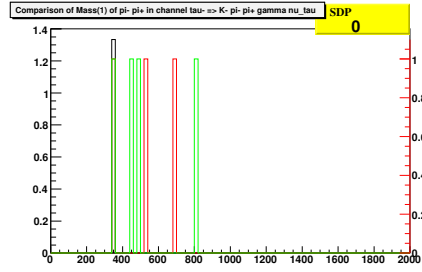


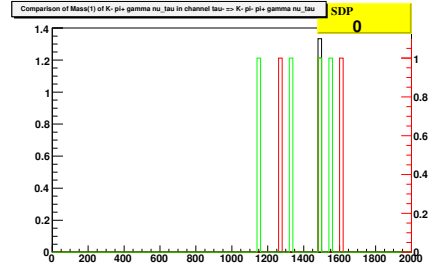
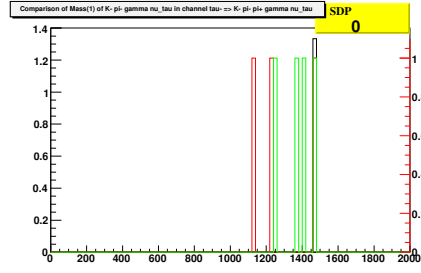
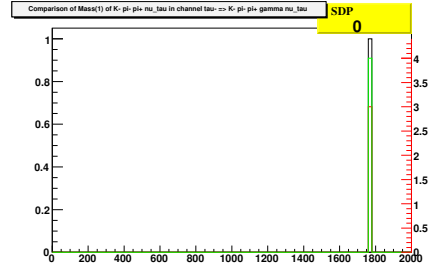
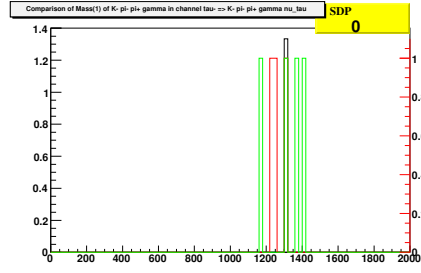
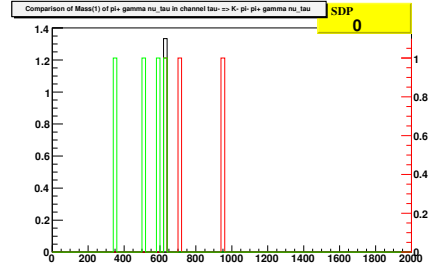
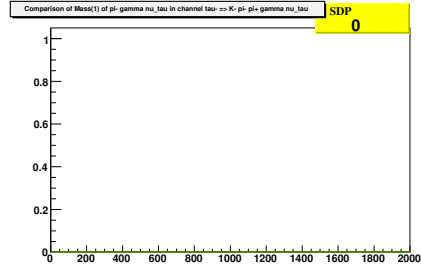
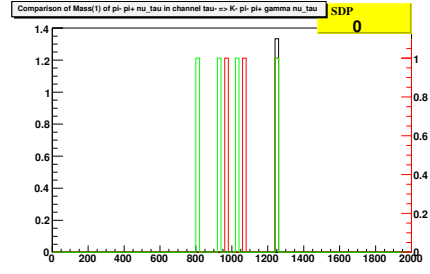
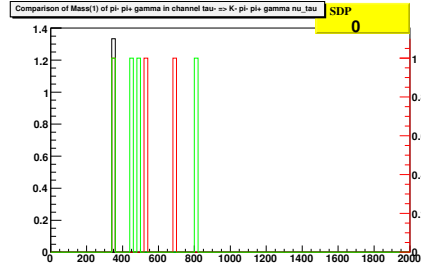
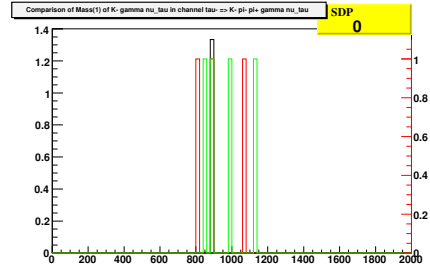
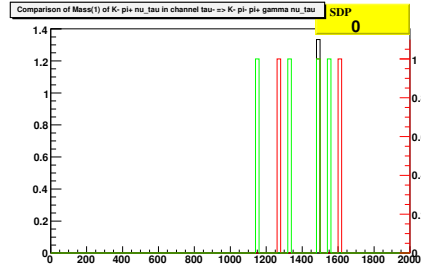
47 Decay Channel: $\tau^- \rightarrow K^- \pi^- \pi^+ \gamma \nu_\tau$

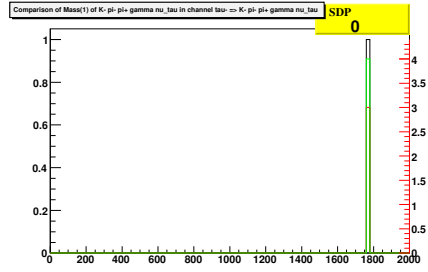
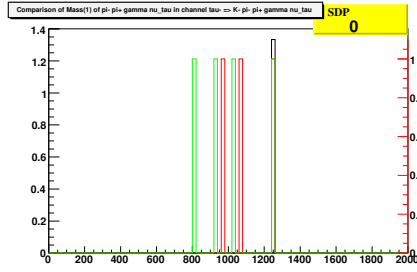
Number of events from generator 1: 3

Number of events from generator 2: 4





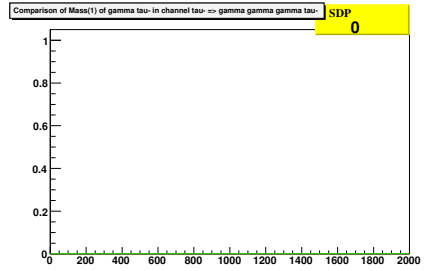
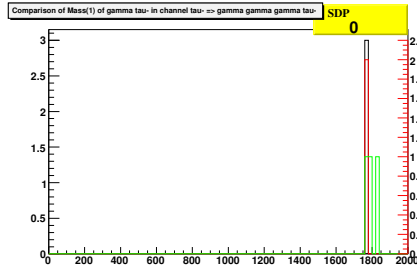
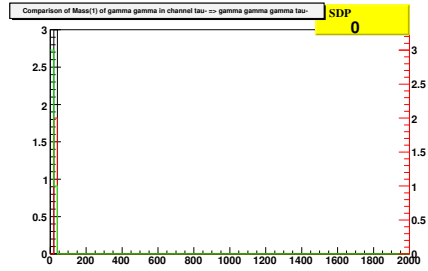
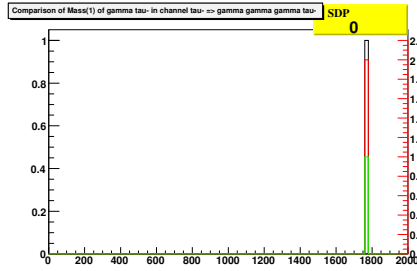
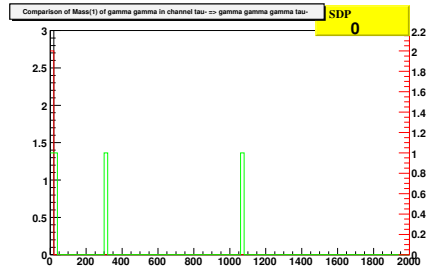
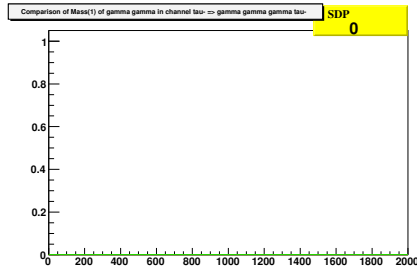


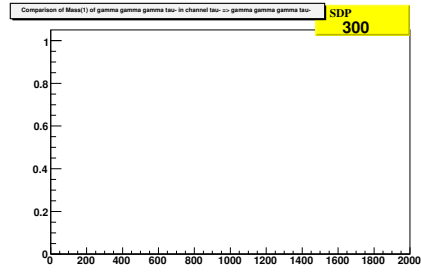
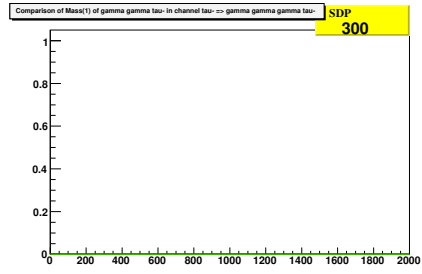
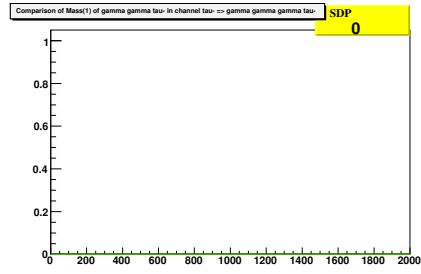
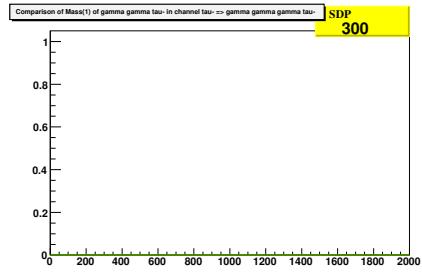
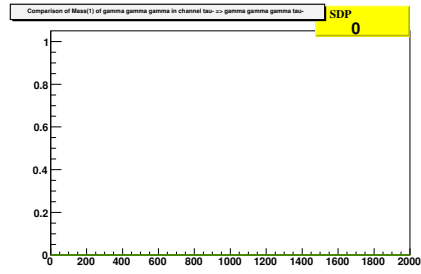


48 Decay Channel: $\tau^- \rightarrow \gamma\gamma\tau^-$

Number of events from generator 1: 3

Number of events from generator 2: 4

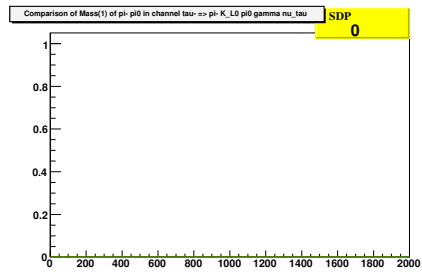
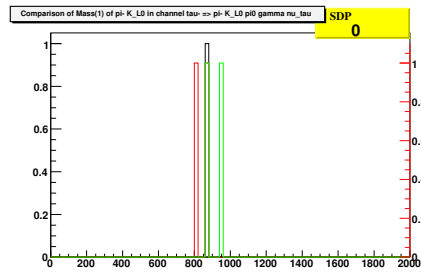


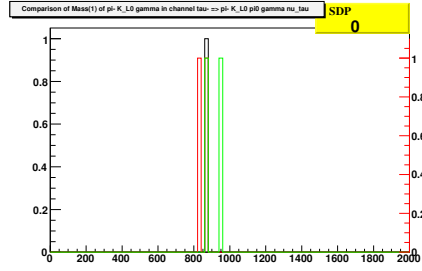
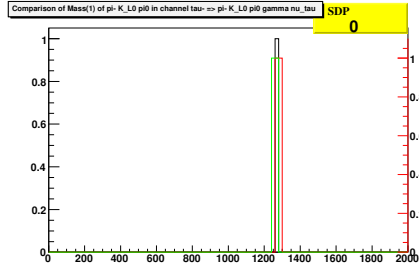
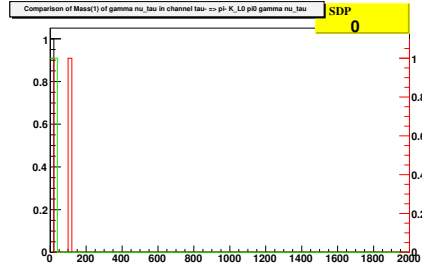
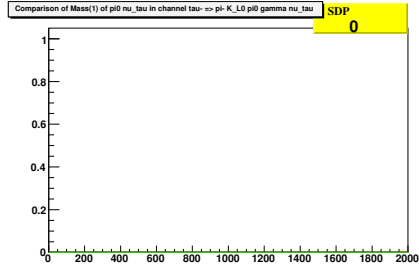
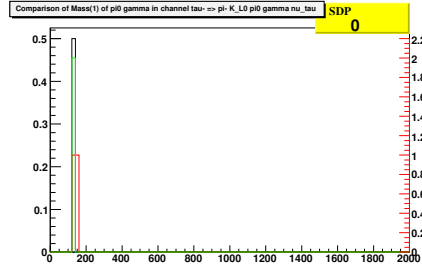
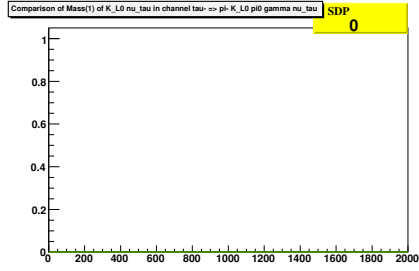
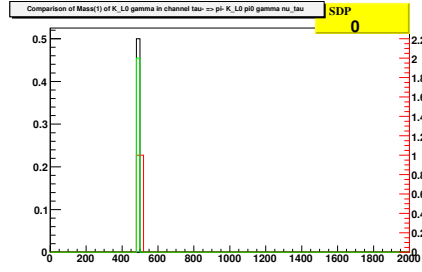
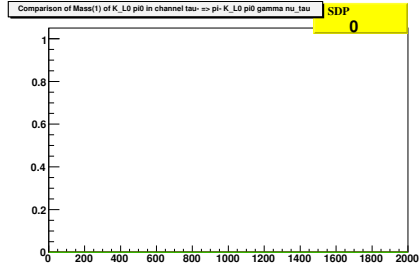
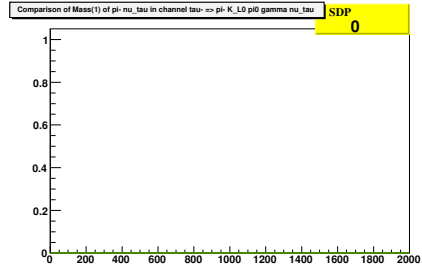
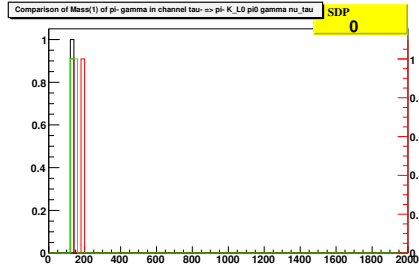


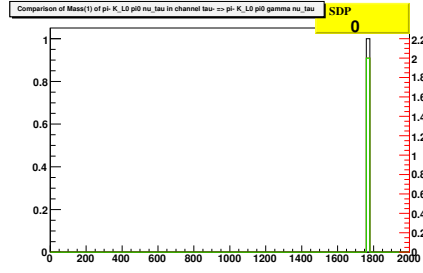
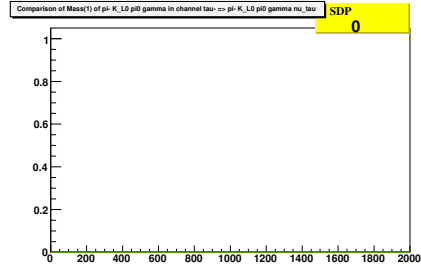
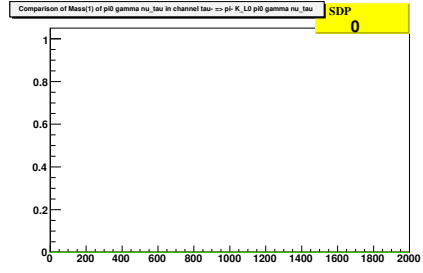
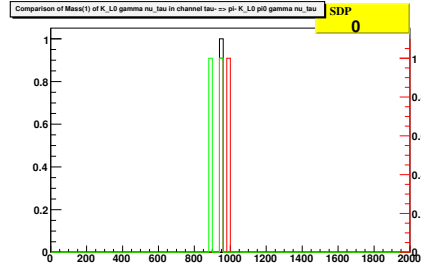
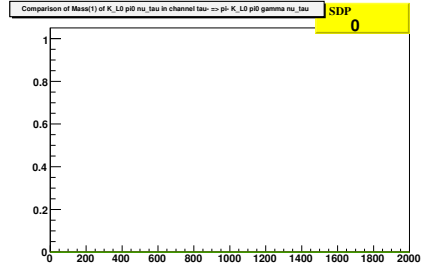
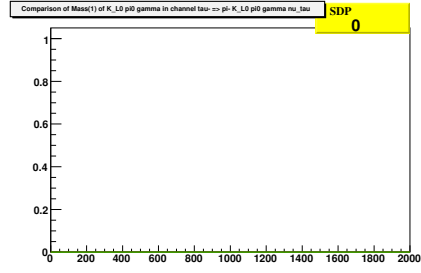
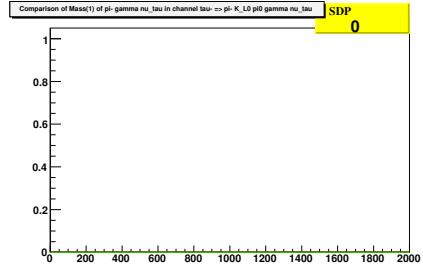
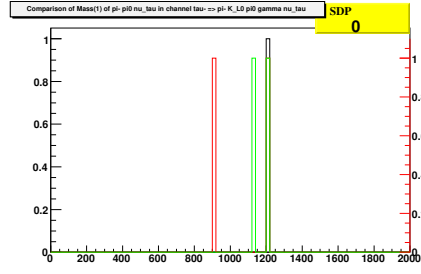
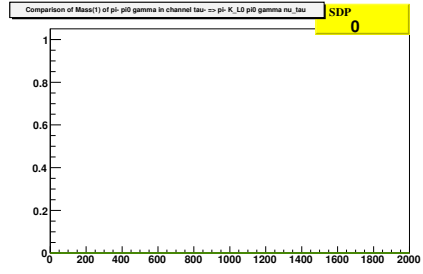
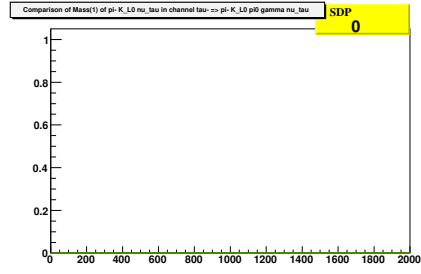
49 Decay Channel: $\tau^- \rightarrow \pi^- K_L^0 \pi^0 \gamma \nu_\tau$

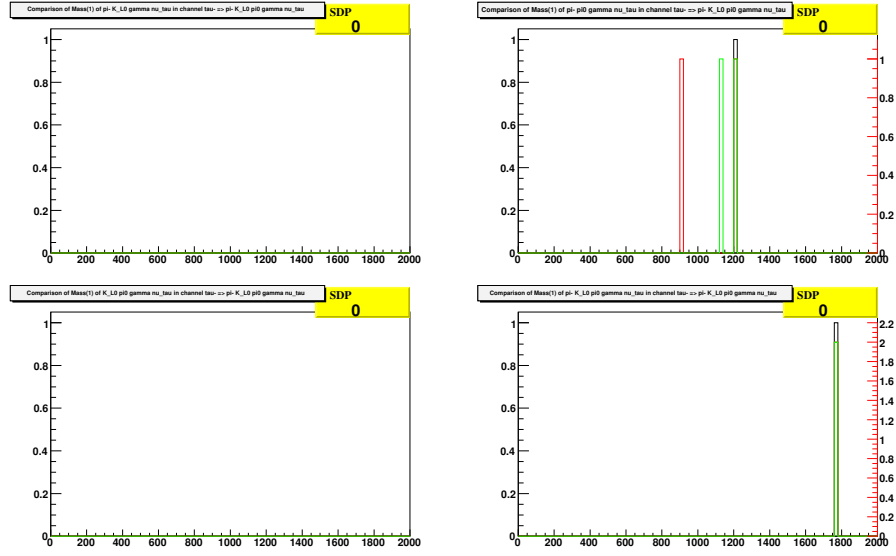
Number of events from generator 1: 2

Number of events from generator 2: 2





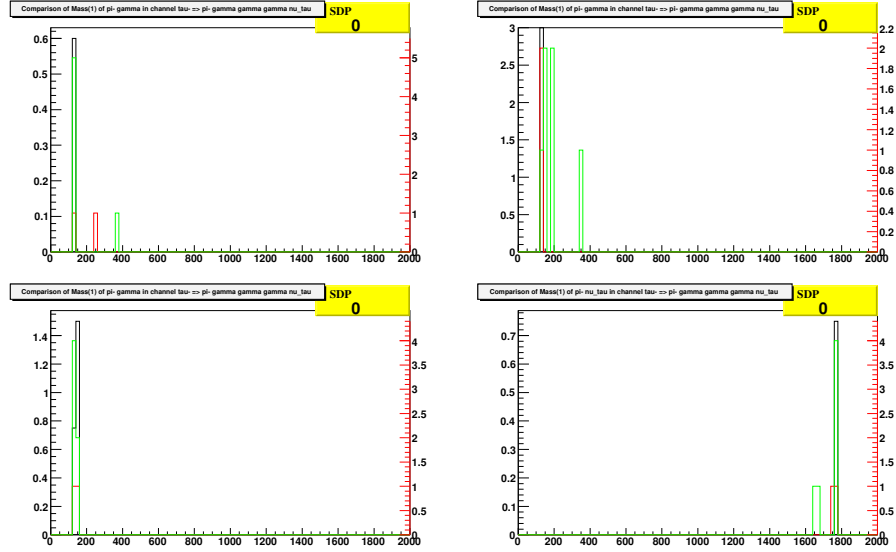


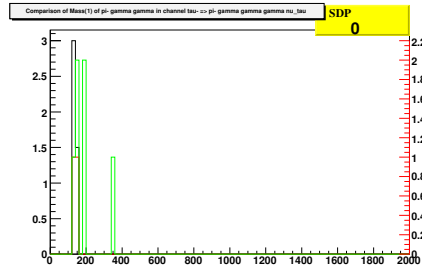
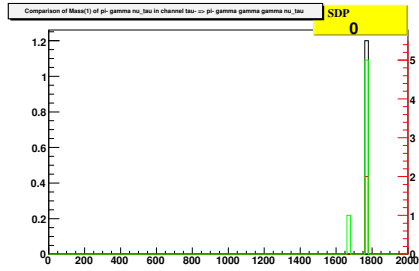
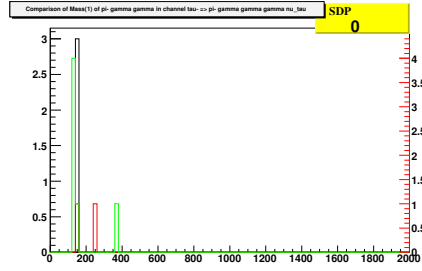
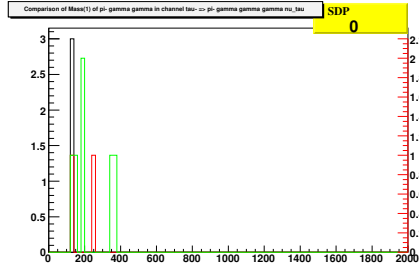
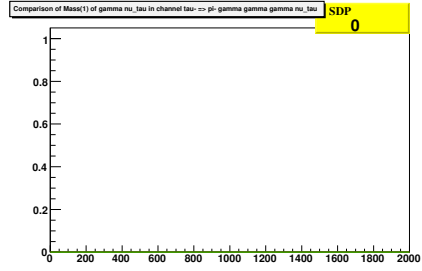
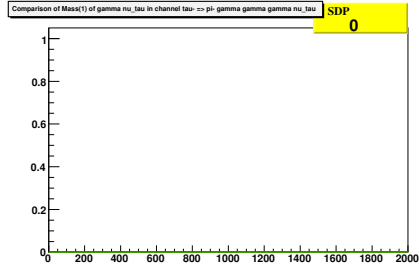
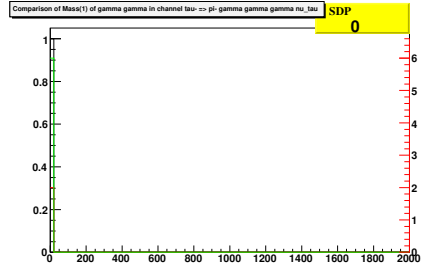
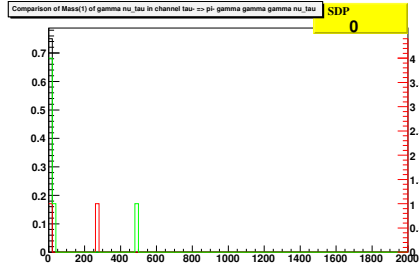
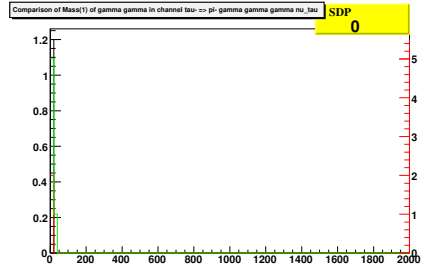
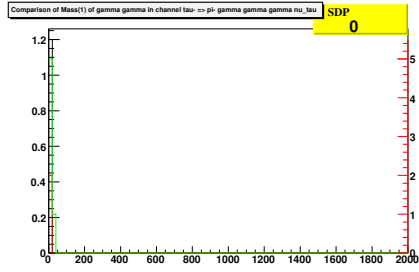


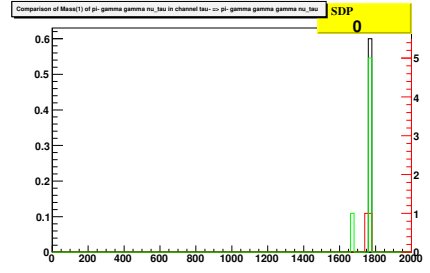
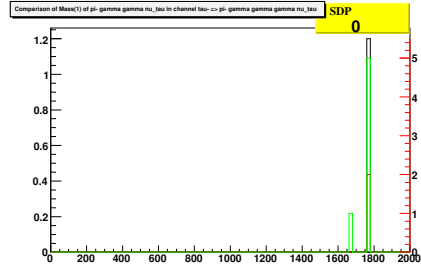
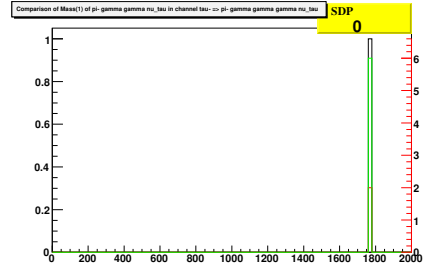
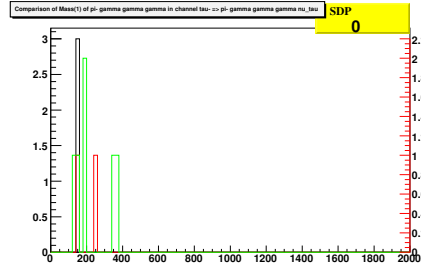
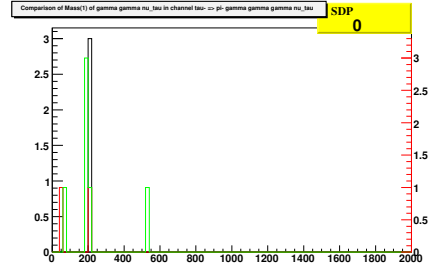
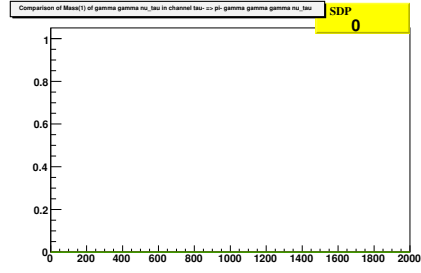
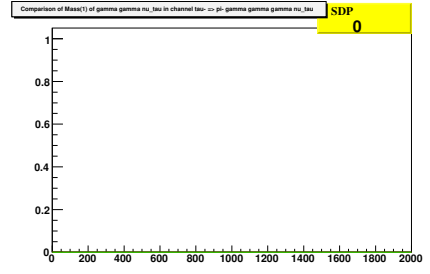
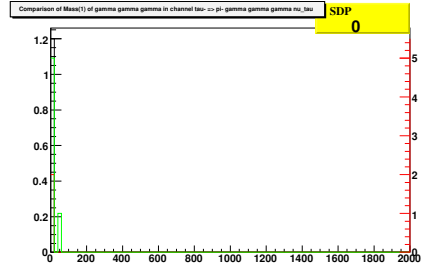
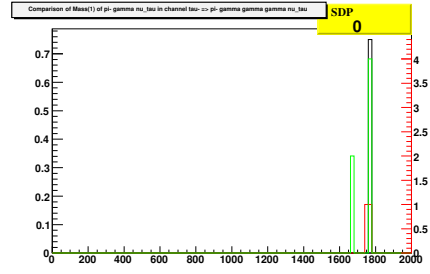
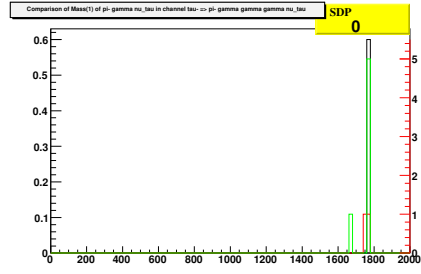
50 Decay Channel: $\tau^- \rightarrow \pi^- \gamma \gamma \gamma \nu_\tau$

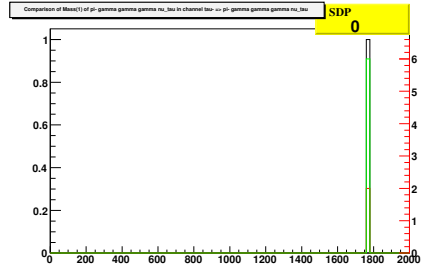
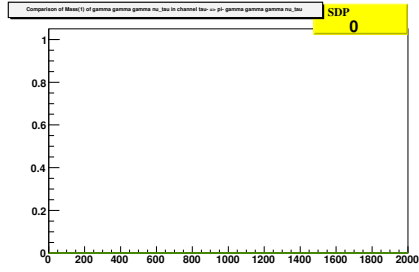
Number of events from generator 1: 2

Number of events from generator 2: 6





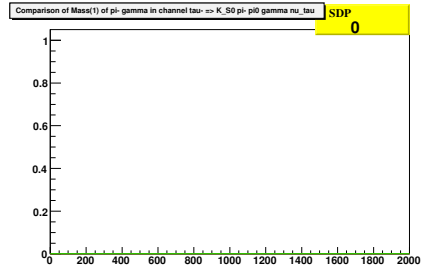
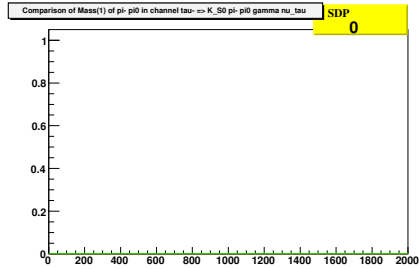
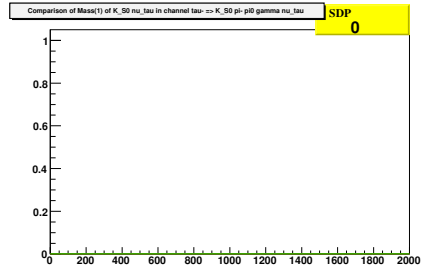
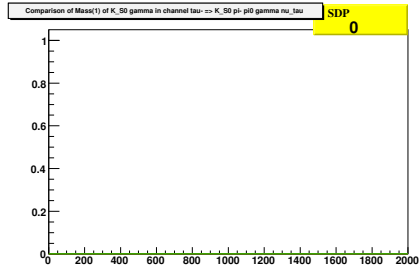
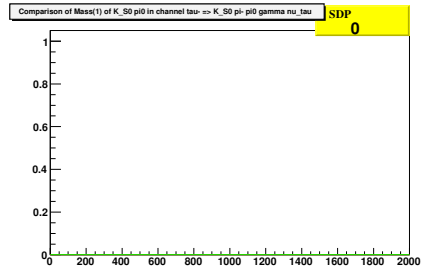
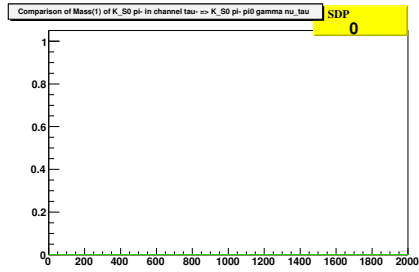


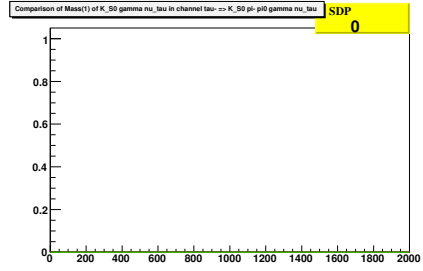
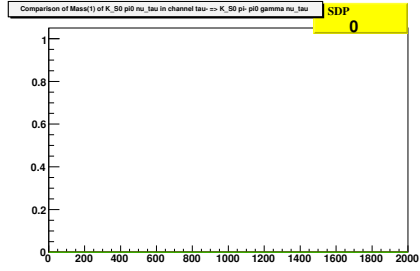
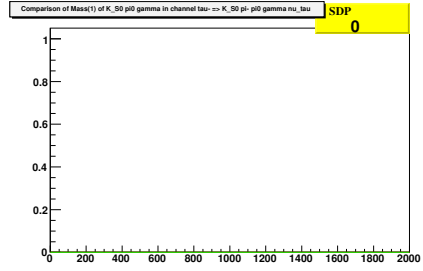
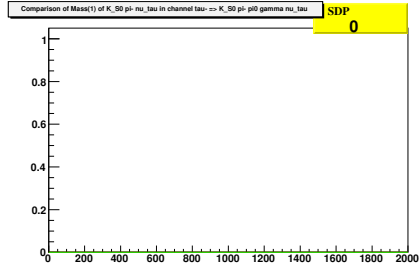
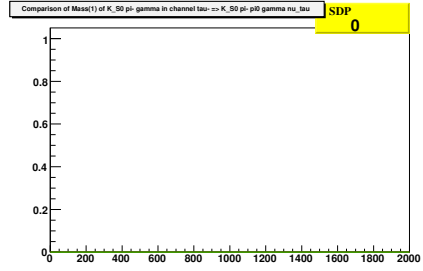
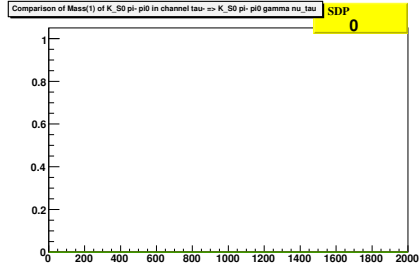
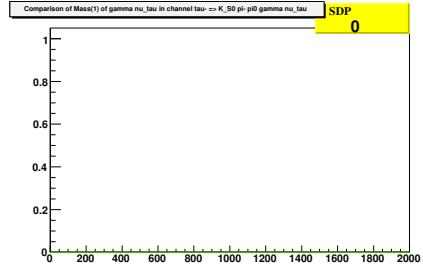
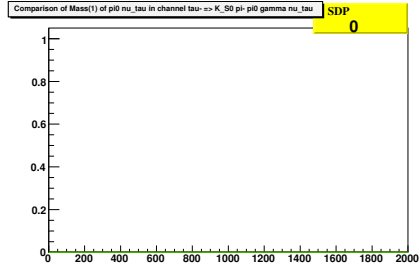
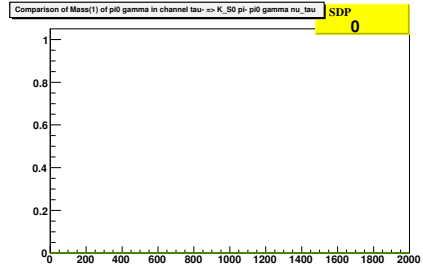
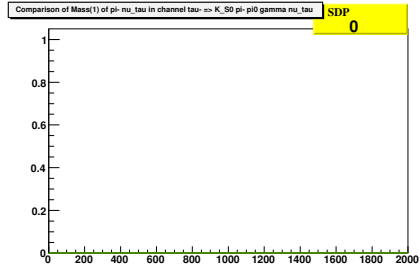


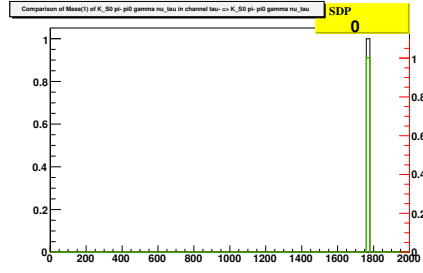
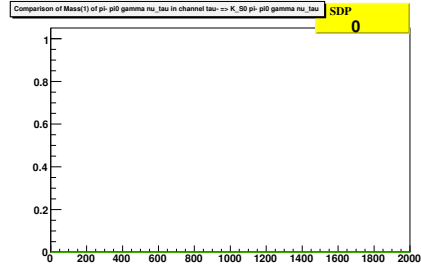
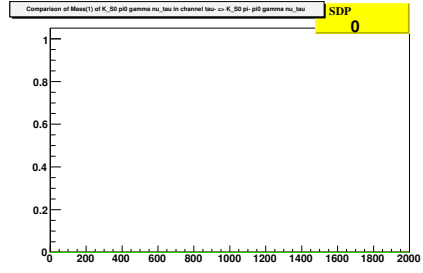
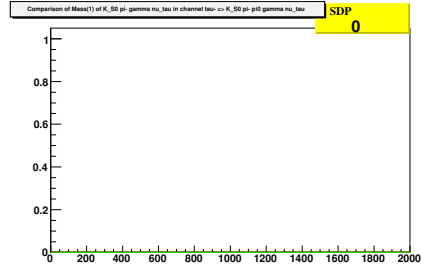
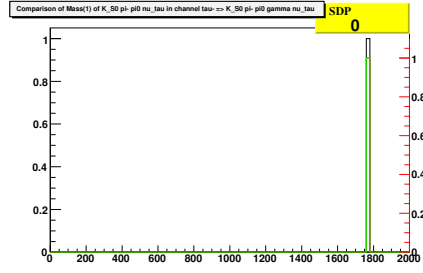
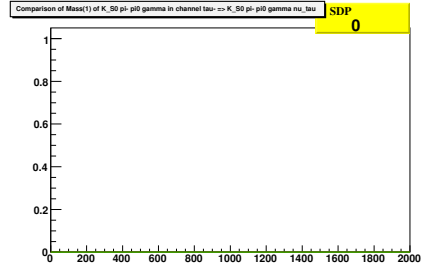
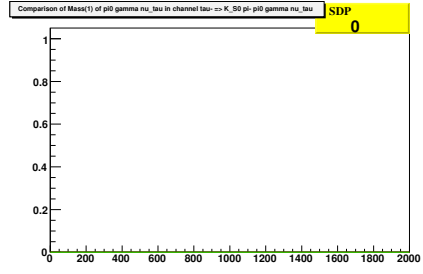
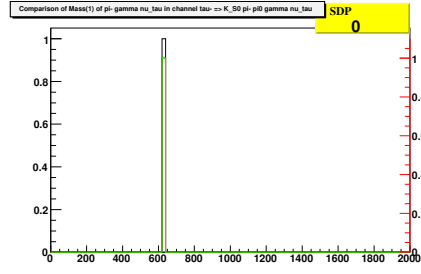
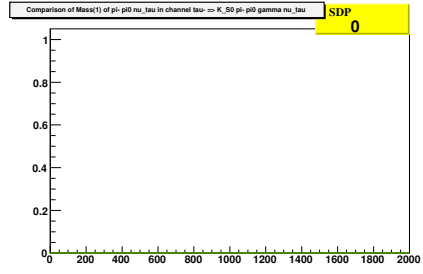
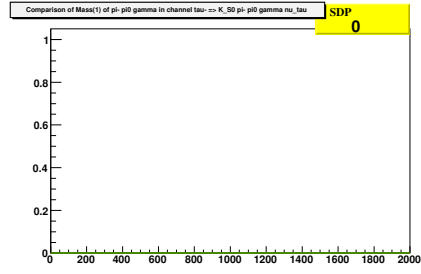
51 Decay Channel: $\tau^- \rightarrow K_S^0 \pi^- \pi^0 \gamma \nu_\tau$

Number of events from **generator 1**: 1

Number of events from **generator 2**: 1







52 Decay Channel: $\tau^- \rightarrow K^- K_L^0 \pi^0 \gamma \nu_\tau$

Number of events from **generator 1**: 1

Number of events from **generator 2**: 1

