

# A few slides on status of E/p for low energy pions

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# Update on E/p for low pt pions

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- Refer to talk at last JetEtMiss meeting (25<sup>th</sup> July). Main results/issues:
  - Looked at subtraction for 10GeV pion from J2
  - Good measure of background energy outside  $\Delta R > 0.05$
  - Problem measuring background inside  $\Delta R < 0.05$
  - Probably can't use J2 sample because jet energies too large (35-70GeV).

# Plan since then:

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- Plan to look at other datasets with less contamination.
  - minimum bias (250k csc11 events, 3million mc12 events)
  - J0, J1 possibility (not sure if there is enough stats).
- Plan on looking at 2 & 5 GeV pions (as well as 1 & 10).
  - Need to check that the datasets singlepart\_eta are okay.

# More plans

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- Plan on generating some single particles to see what the impact of mistaken pion tracks could be in minimum bias
  - has not been done for  $p_t > 1\text{ GeV}$ .
  - electrons (3%), kaons (16-24%), protons (8-13%) + others
- Status of note:
  - Just began writing & hope to have bulk completed mid next week before csc note must be written.
  - I will be away from 19<sup>th</sup> August until 1<sup>st</sup> September.