TRT Test beam on the H8 beam line

July 24th - August 1st



Mixed electron/pion 20 GeV beam Amatoli Romaniouk, TRT TB July 25 2024

Very few electrons: ~400 pions and 50 electrons on 1x1 cm 2 counter per spill!



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After HW PID trigger selection

Some preliminary results



Beam well focused and aligned.

- 200 k preliminary triggers After particle sort selection:
- 150 k pions
- 18 k electrons

A bit (factor of 2) less electrons than desired!

Need good beam to get a good electron statistics for each configuration (~60 radiatordetector configurations.

~400 pions and 50 electrons on 1x1 cm 2 counter per spill!

Test beam set up is similar to that used in 2021



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Number of TR clusters per particle



Main time started yesterday. We are one day short. Big program ahead but the beam is unfortunately weak. Main time started yesterday. We are one day short. Big program ahead but the beam is unfortunately weak.