Check of single π⁻ reconstruction with CGEM+ODC

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- 100% cluster efficiency
- \bullet Spatial resolution 130 μm in both X and V direction

• Good track: |dr| < 1.0cm, |dz| < 10cm, $|\cos\theta| < 0.93$, correct charge

• Tracking efficiency for single track events: $\epsilon = N_{good}/N_{gen}$ where N_{good} is the number of events with one or more good tracks reconstructed, N_{gen} is the number of events generated/simulated











I Axial vertex resolution (in z) for π^- track (after Kalman filter)







I Dip angle resolution for π^- track (after Kalman filter) (conti.)



I Single π^- with p_T =60 MeV/c in CGEM+ODC (100 events checked)





XY View

secondaries ~>20%





I Single π^- with $p_T = 60$ MeV/c in MDC (100 events checked)





secondaries 6/100

