Start Counter Efficiency Studies

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Data

ROOT tree produced from the start counter efficiency plugin run as part of the production reconstruction pass (ver03) on the Spring 2016 data are used. One file of run 11366









Matched tracks to the SC with infinitely large dPhi









SC Matching Efficiency within ±6 dPhi cut









SC Matching Efficiency within ± 6 dPhi cut









SC Matching Efficiency within ±7 dPhi cut









SC Matching Efficiency within ±7 dPhi cut SC_ME = SCHitSector / ProjectedSCHitSector









SC Matching Efficiency within ± 8 dPhi cut









SC Matching Efficiency within ±8 dPhi cut

SC_ME = SCHitSector / ProjectedSCHitSector









TTTTTTTTT

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Sector

SC Matching Efficiency within ± 9 dPhi cut

SC_ME = SCHitSector / ProjectedSCHitSector









Entries 184190

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Sector

Sc - track DeltaPhi for each sector









Sc - track DeltaPhi for each sector





















Track momentum Vs Projected Hit (sector, z, Theta, Phi)









Sc – track DeltaPhi Vs Projected hit quantities ?????









Sc – track DeltaPhi Vs Projected hit quantities if the projected hit sector is the same as SCHit sector







