EngineeringModel v3r0407p3 now available:
  – Thanks Heather!
  – Based on Root V4!
  – Technical problems with the System tests:
    – Not available yet
    – Julie is working on it

SVAC decided to test it in parallel with SAS:
  – Generate MC
  – Process Tower A run from Pisa
EM and Root V4: Results for MC

• Results:
  – 2 tower surface muon MC:
    • Generated 200k events
    • Compared to EM v30406p1
    • Used both electron and muon hypothesis for TkrRecon:
      – Not that it should matter for this .....  
  • Identical results for Merit quantities:
    – Number of tracks
    – Energy in CAL layers
    – ......
EM and Root V4: Results for Data

• Results:
  – Tower A run 30600445 from Pisa:
    • Compared to EM v30407p0-optimized
    • Ldf2digi: Same number of events
    • Recon: Looked at Merit quantities
      – GLT: Identical
      – TkrRecon: Small (<0.7%) differences
        » Nbr of tracks changed from 1.112 to 1.104
        » etc
  • TkrRecon tag changed between the two releases:
    – v9r0p2gr8 vs v9r0p2gr10
    – Changes seem to be TOT related though ......
    – And why no differences in MC (v9r0p2gr6)?
  • Compared optimized and non-optimized releases:
    – Does it matter?
EM and Root V4: Conclusions

• No change for MC when using Root V4
• Small changes for TkrRecon in Data:
  – Not clear if they are Root 4 related
  – Optimized vs non-optimized?