Table of Contents

TupleToolPid: particle identification info for charged particles

- PDG # (ID) for all particles
- Likelihood vs. pion likelihood (PID[e,mu,K,p]) (charged tracks only)
- Probability (ProbNN[e,pi,mu,K,p,ghost]) calculated by Neural Net from likelihood ratios (charged tracks only)
- Did this track have hits in the muon subsystem? (hasMuon)?
- If so, were these hits consistent with a muon (isMuon)?
- Did the muon subsystem register a track which PID says is a muon in the candidate event? (isMuon)
- Did the RICH subsystem register a track in the candidate event? (hasRich)
- Did the calorimeter subsystem register a track? (hasCalo)
- In verbose mode, you can access much more detailed information from the PID subsystems

---

This topic: LHCb > TupleToolPid
Topic revision: r1 - 2013-01-08 - JackWimberley