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# 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
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This topic: LHCb > TupleToolPid

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