



Contribution ID: 462

Type: Poster

Performance Studies of b-jet identification in CMS

Tuesday 20 May 2014 16:30 (2 hours)

Jets associated with the production of bottom quarks in pp, ppb and PbPb collisions are identified by a variety of algorithms developed by CMS. These algorithms exploit the long lifetime and high mass of bottom quarks by using the impact parameters of charged-particle tracks, the properties of reconstructed decay vertices and the presence of a lepton or combinations of these quantities. In this poster, the performance of these algorithms including their efficiency and purity are discussed by the data measurements and their comparison with expectations based on simulations.

On behalf of collaboration:

CMS

Author:YU, Leo (Rutgers, State Univ. of New Jersey (US))Presenter:YU, Leo (Rutgers, State Univ. of New Jersey (US))Session Classification:Poster session

Track Classification: Jets