
Tracking

Total momentum

Transverse momentum

Quality of the track fit

Number of clusters associated to the track

ANN response trained to reject ghost tracks [?]

Quality of the fit matching track segments upstream and downstream of the magnet

RICH detectors

Geometrical acceptance of the three radiators, depending on the direction of the track

Kinematical acceptance due to Cherenkov threshold for muons and kaons

Likelihood of the electron, muon, kaon, and proton hypotheses relative to the pion

Likelihood ratio of the below-threshold and pion hypotheses

Electromagnetic calorimeter

Likelihood ratio of the electron and hadron hypotheses

Likelihood ratio of the muon and hadron hypotheses

Matching of the track with the clusters in the *preshower* detector

Likelihood ratio of the electron and pion hypotheses,
after recovery of the Bremsstrahlung photons

Hadronic calorimeter

Likelihood ratio of the electron and hadron hypotheses

Likelihood ratio of the muon and hadron hypotheses

Muon system

Geometrical acceptance

Loose binary requirement already available in the hardware trigger

Likelihood of the muon hypothesis

Likelihood of the non-muon hypothesis

Number of clusters associated to at least another tracks
