

Egamma electron efficiency sequence

Tag Selection

- GsfElectrons.
- $|\eta| < 1.4442$ OR $1.56 < |\eta| < 2.5$
- $E_T > 20$ GeV/c.
- Isolation
- Electron ID: Loose
- Trigger: Electron Ele15

Probe Selection

- $|\eta| < 1.4442$ OR $1.56 < |\eta| < 2.5$
- $E_T > 20$ GeV/c.
- Fit the tag-probe invariant mass to get the number of signal events.

Obtain factorized efficiencies for passing probes:

SuperCluster → GsfElectron → Isolation → ID → HLT

offline electron reconstruction
efficiency with respect to acceptance

electron trigger
efficiency w.r.t.
offline selection