



## Instrumental

Luminosity  
Forward Jet vertex tagger eff.  
Pile-up rew.  
Muon isol. eff. (syst)  
Muon low pt ID eff. (syst)  
Muon ID eff. (syst)  
Jet-Vertex-Tagger (JVT)  
Electron reco. eff.  
Electron reco. eff.  
Electron isol. eff.  
Electron ID eff.