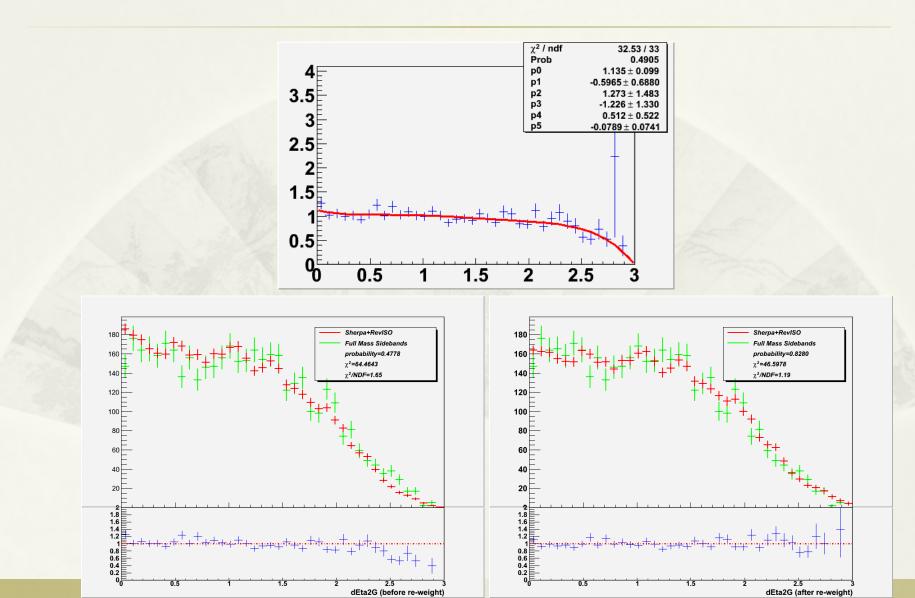
Background Reweighting in VBF MVA Aanalysis

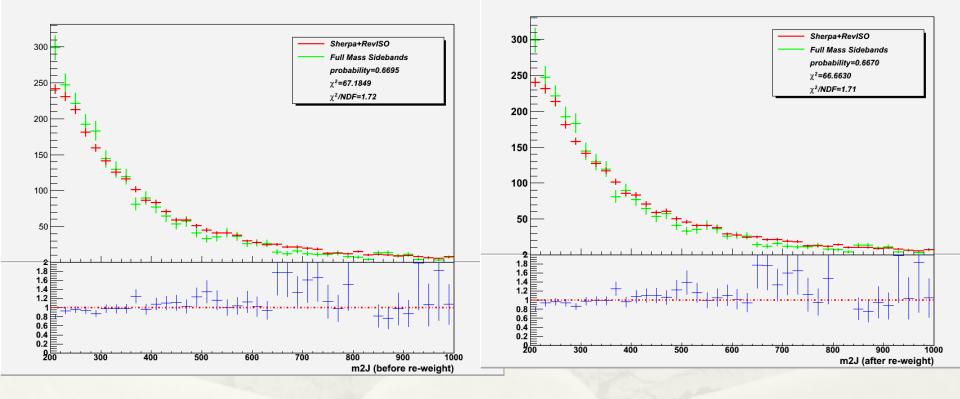


Reweight with dEta2G

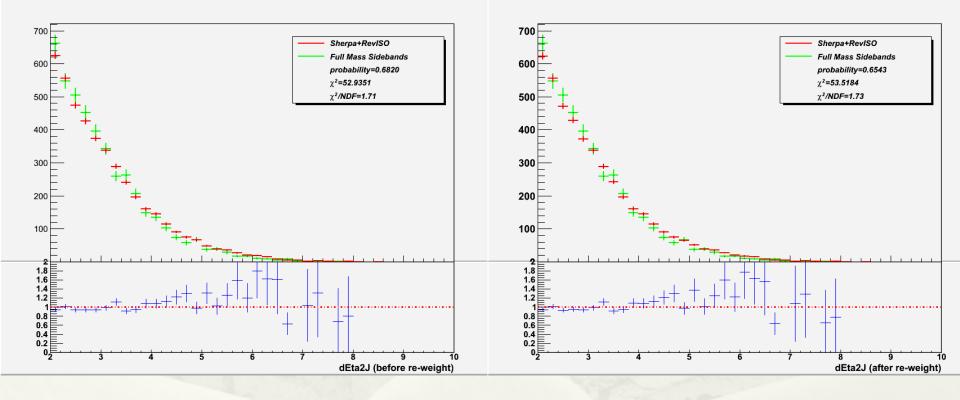
Reweight with dEta2G



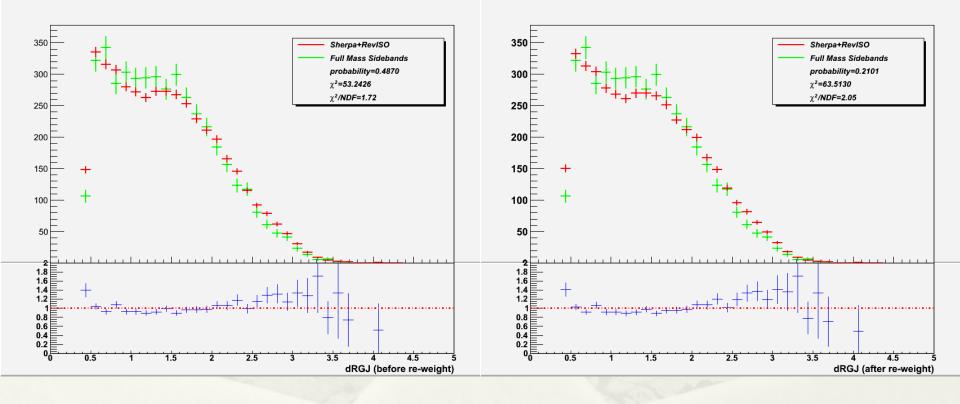
m2J



dEta2J

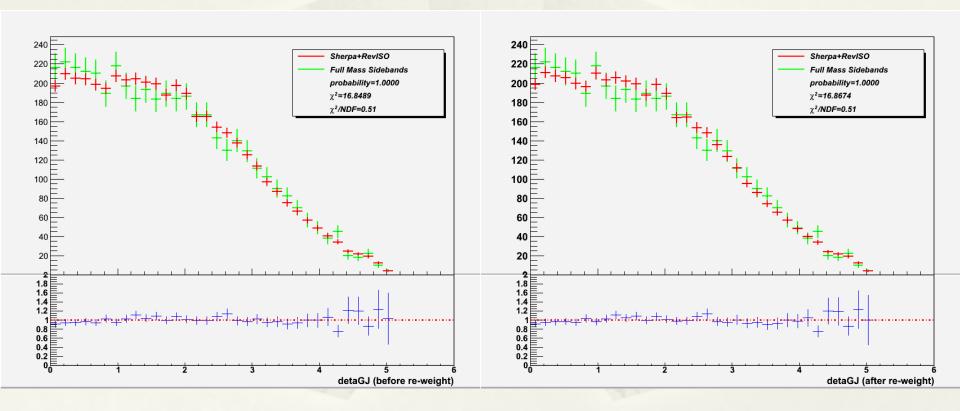


dRGJ

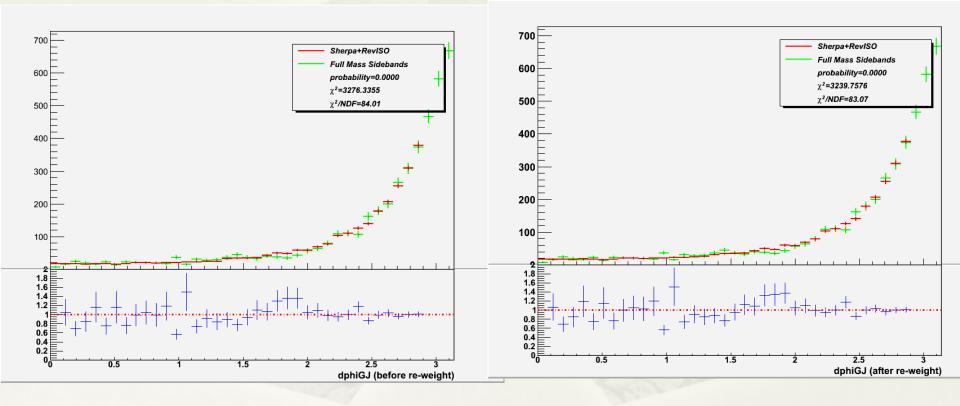


6

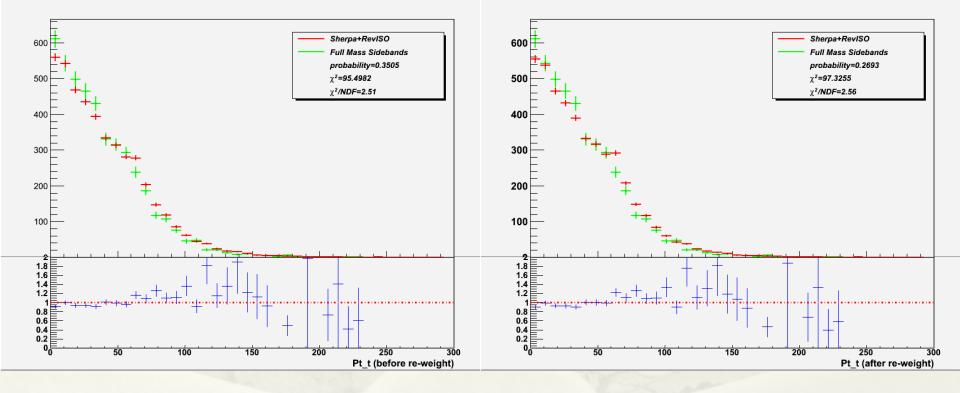
detaGJ



dphiGJ

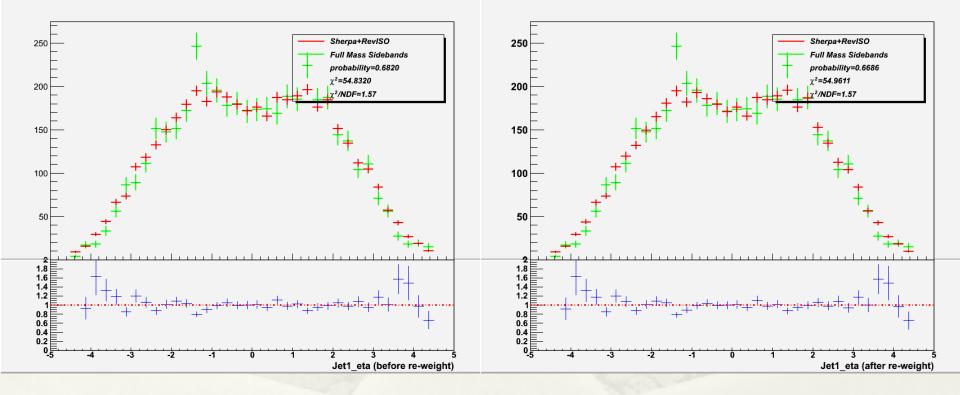


ptt

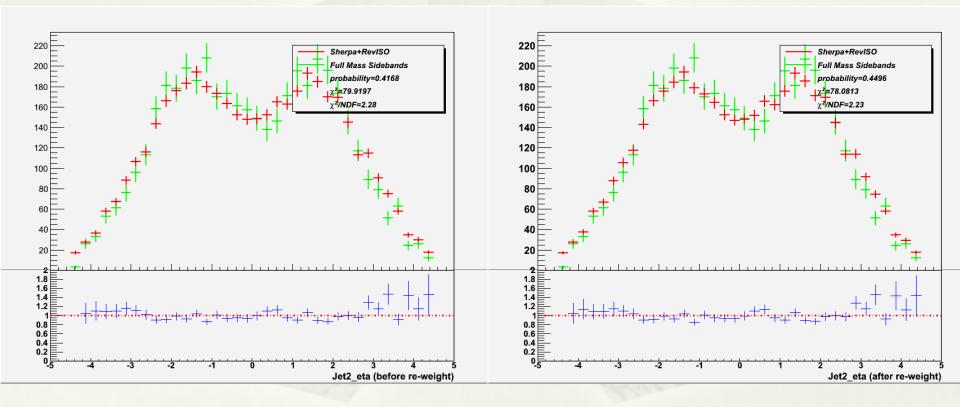


9

Jet1_eta



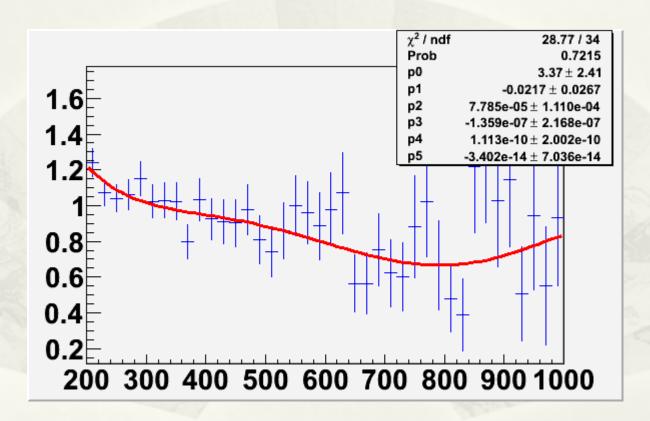
Jet2_eta



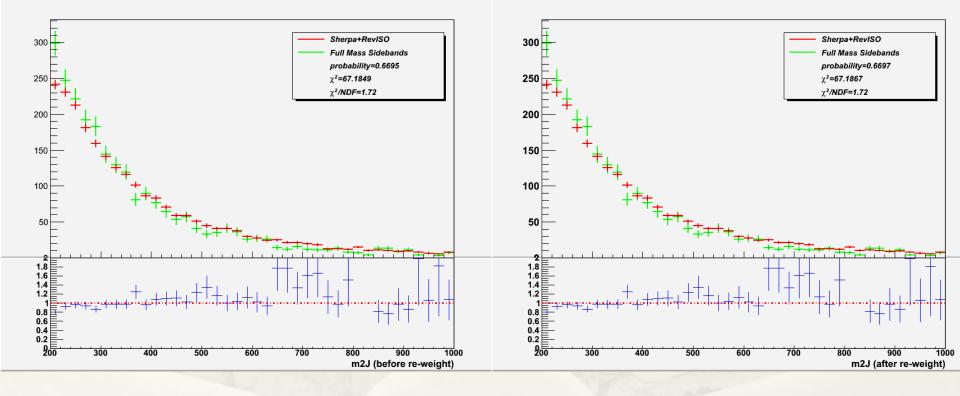
- Redo mva optimization
- Redo working point optimization
- Relative improvement on mu uncertainties:<1%

Reweight with m2J

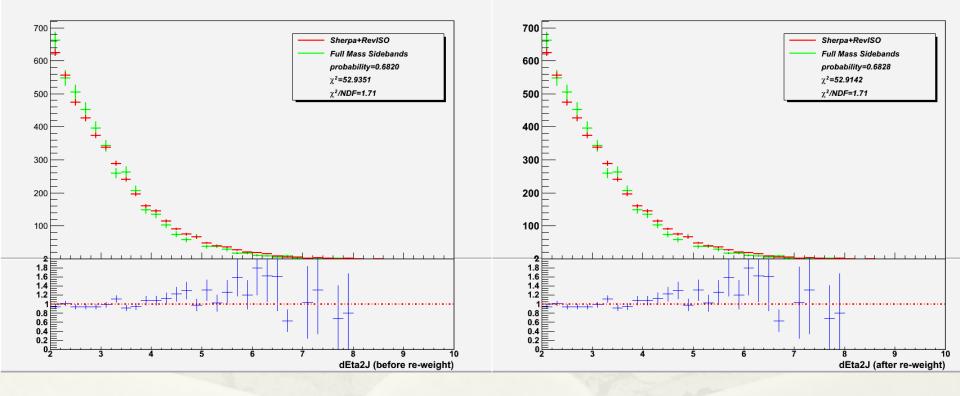
fit



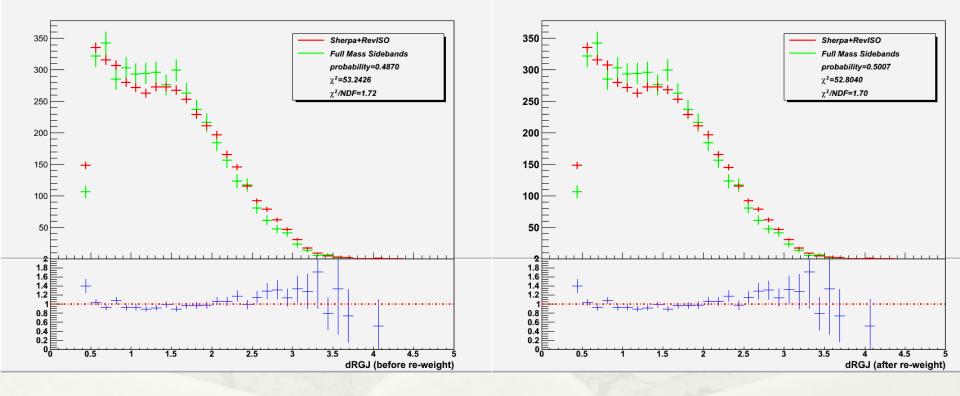
m2J



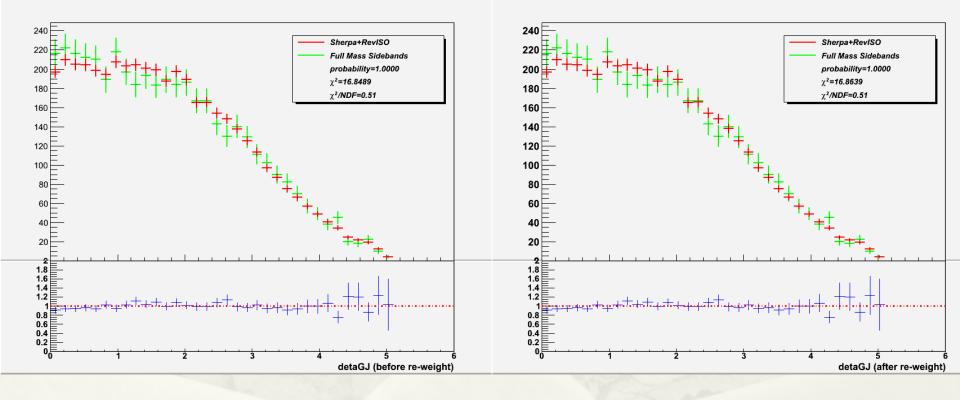
dEta2J



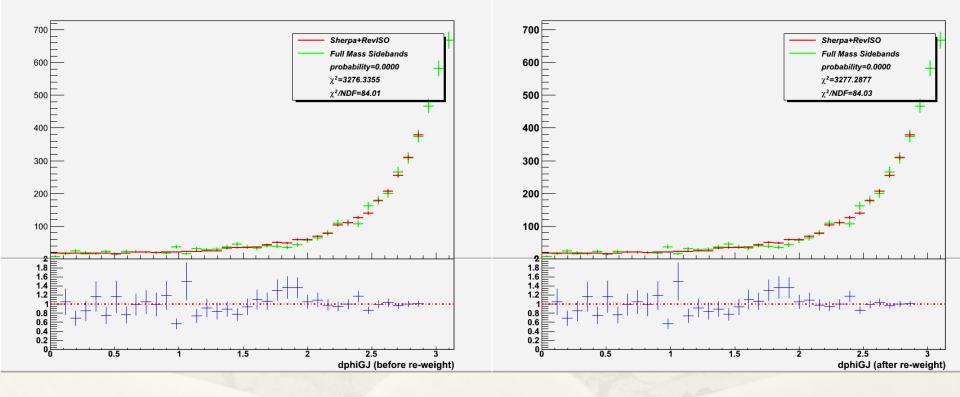
dRGJ



detaGJ



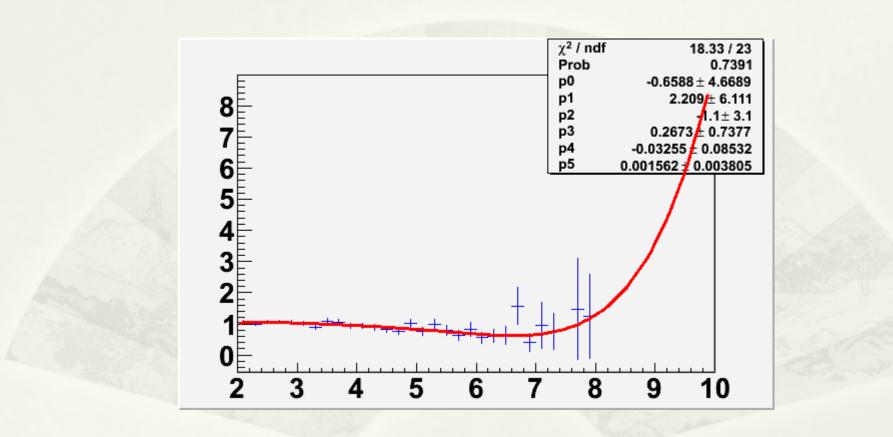
dphiGJ



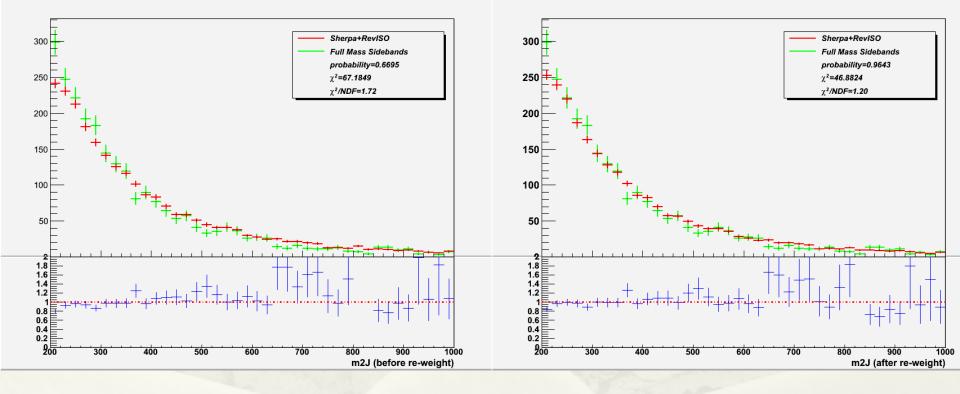
- Redo mva optimization
- Redo working point optimization
- Relative improvement on mu uncertainties:1.2%

Reweight with dEta2J

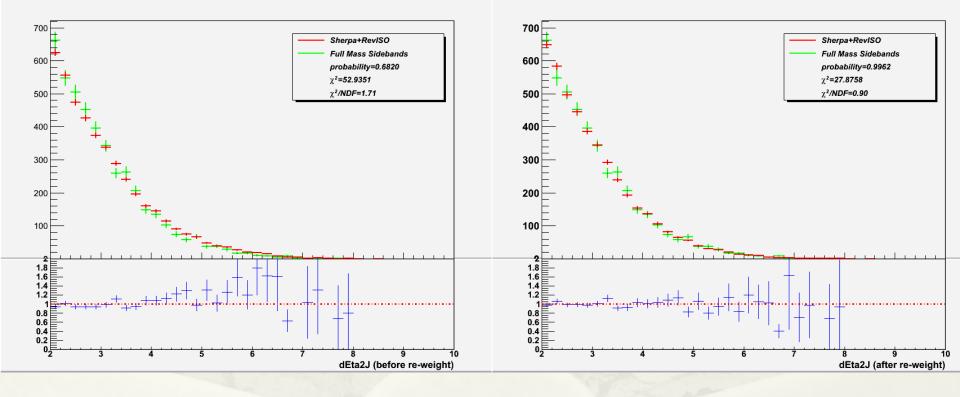
fit



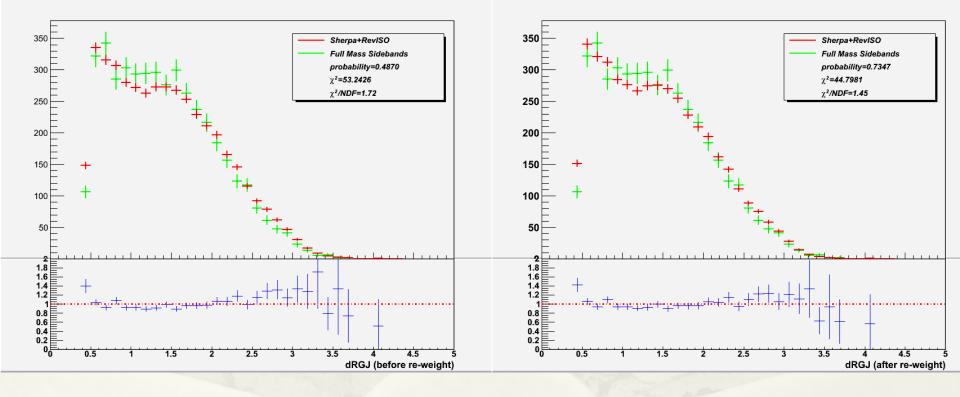
m2J



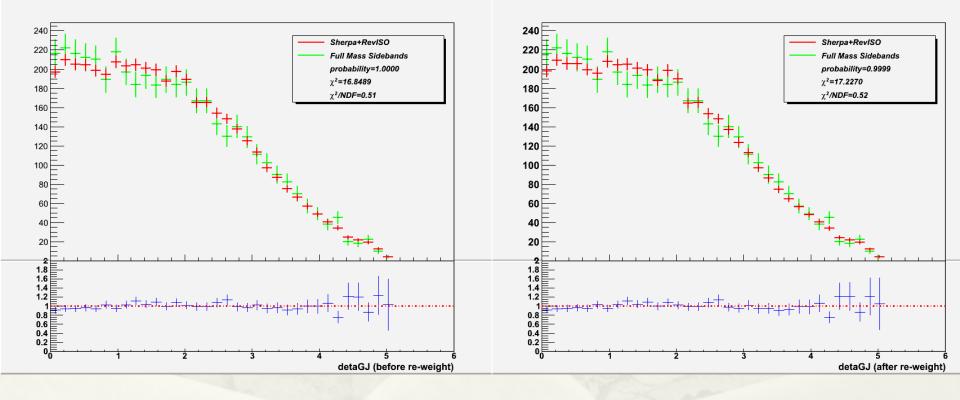
dEta2J

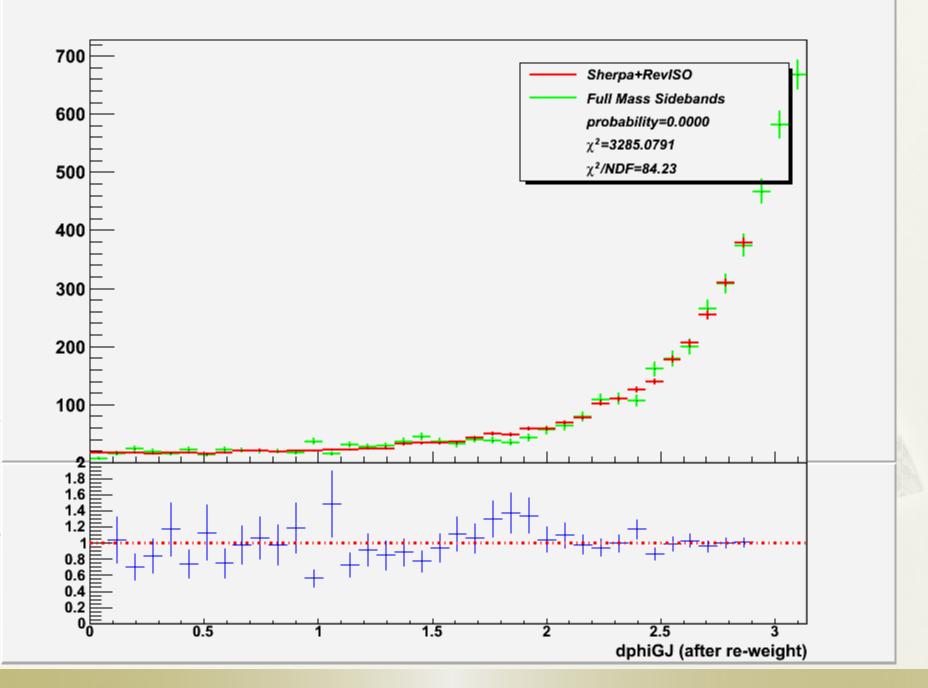


dRGJ



detaGJ





- Redo mva optimization
- Redo working point optimization
- Relative improvement on mu uncertainties:2.3%,
 - compare to Moriond, ~4% improvement