

Ideogram update

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MC

- Use Pythia tt MC
125, 140, 155, 160, 165, 170, 175, 180,
185, 190, 195, 200, 215, 230
- W+jets Alpgen+Pythia with MLM
W+0,1,2,3,5inc, Wbb+0,1,2,3inc,
Wcc+0,1,2,3inc
Scale Wbb and Wcc by 1.17
- Use b-fragmentation reweighting
- Use luminosity reweighting

Data

- Full RunIIa dataset
- DQ 2007-03-09
- p17.09.03, p17.09.06, p1709.06b

- 0.99/fb mu+jets
- 1.04/fb e+jets

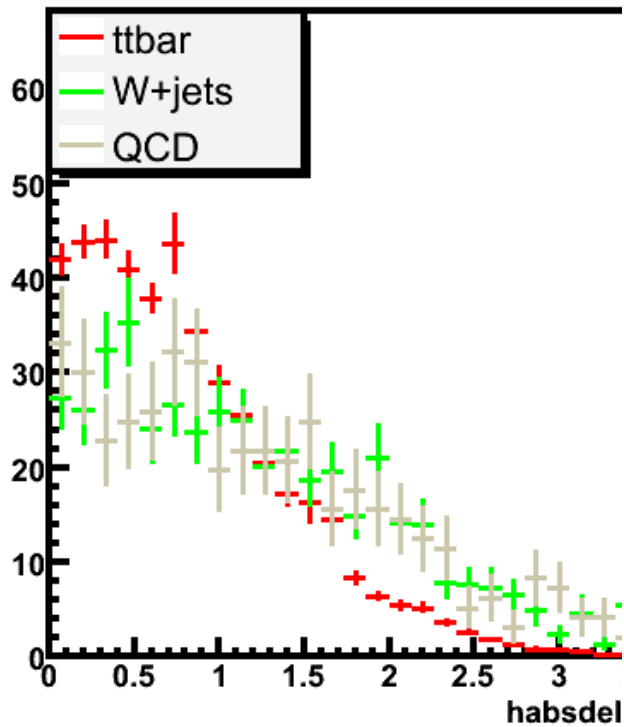
Event selection

- Taken from topological cross section
- ≥ 4 jets with $pt > 20$ GeV
- One lepton with $pt > 20$ GeV
- Veto additional leptons with $pt > 15$ GeV
- $MET > 20$ GeV

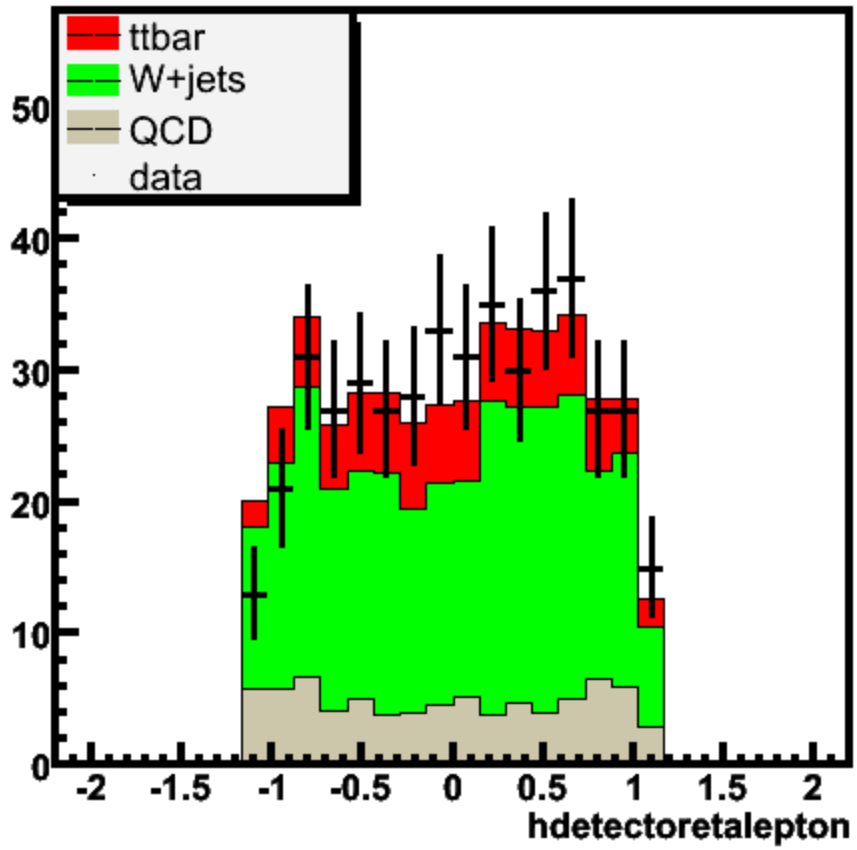
- Use stage1 p17 JES jetcorr p18-br-09

- 409 events in mu+jets
- 446 events in e+jets

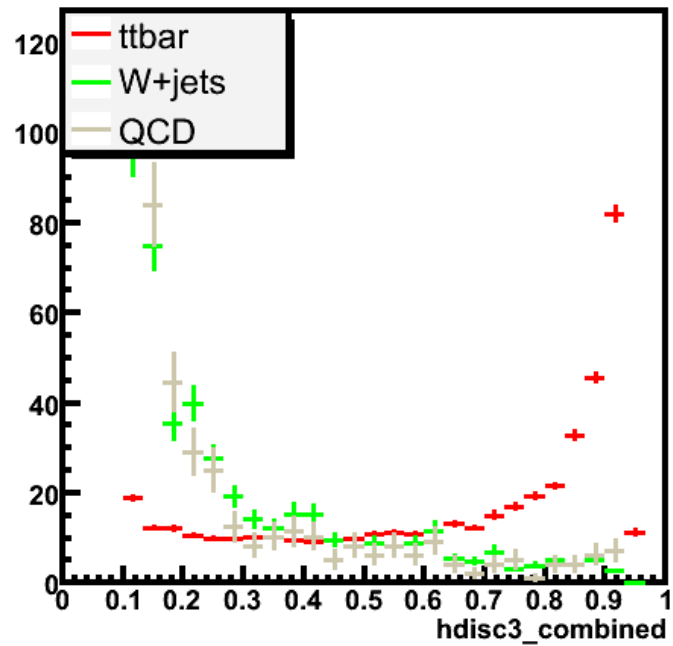
habsdeltaeta12



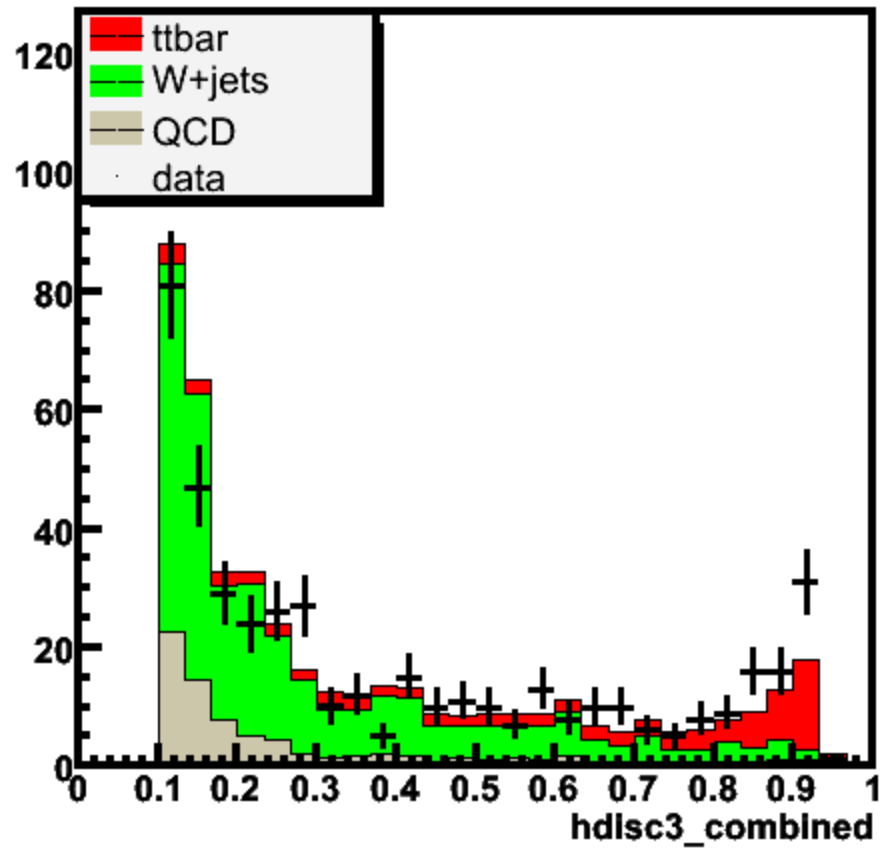
hdetectoretailepton



hdisc3_combined



hdisc3_combined



Updates

- New PLC
- Re-ran the full chain (event selection, hitfit, likelihood calculations, ensemble testing)
- 1000 pseudo-experiments with 230 events
- Signal only
- All events parton matched
(unique matching between jets/lepton and partons)
- Working on calibration plots...
some technical difficulties solved this morning, too late for this talk.