



Sensitivity with number of hadronic energy fraction bins

Numu group, Sep. 2016

Luke Vinton, University of Sussex

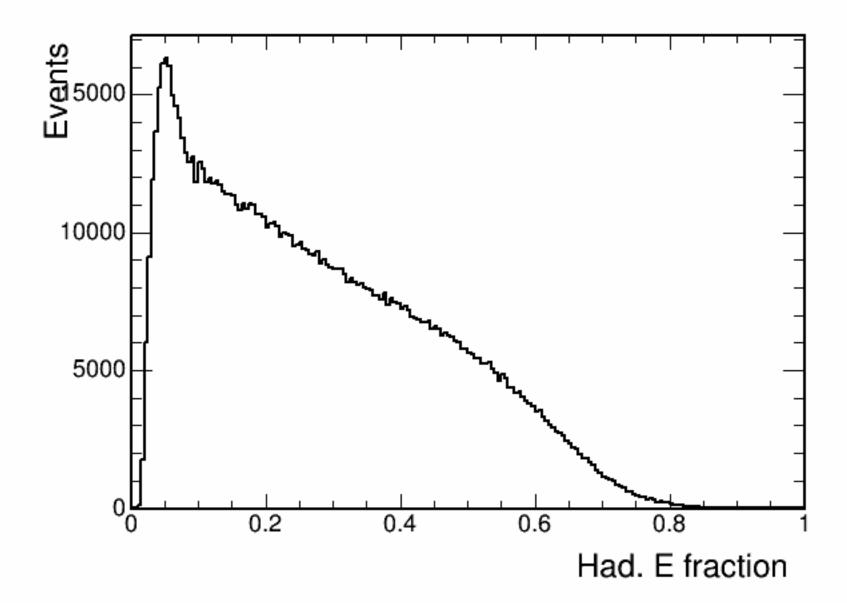
Version details

- Running in development
- Using FD decafs: /pnfs/nova/persistent/ production/concat/R16-03-03-prod2reco.d/

Outline

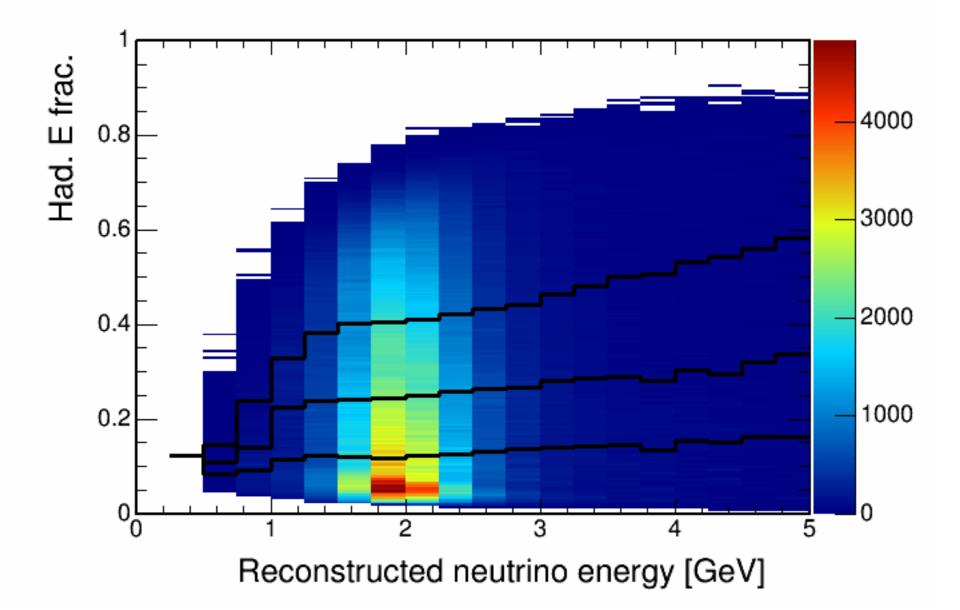
- Hadronic energy fraction vs. neutrino energy
- Sensitivity contours with hadronic energy binning
 - Full numu systematics
 - Extrapolation
- Hadronic energy fraction vs. nprongs and vs. ReMId

Hadronic energy fraction



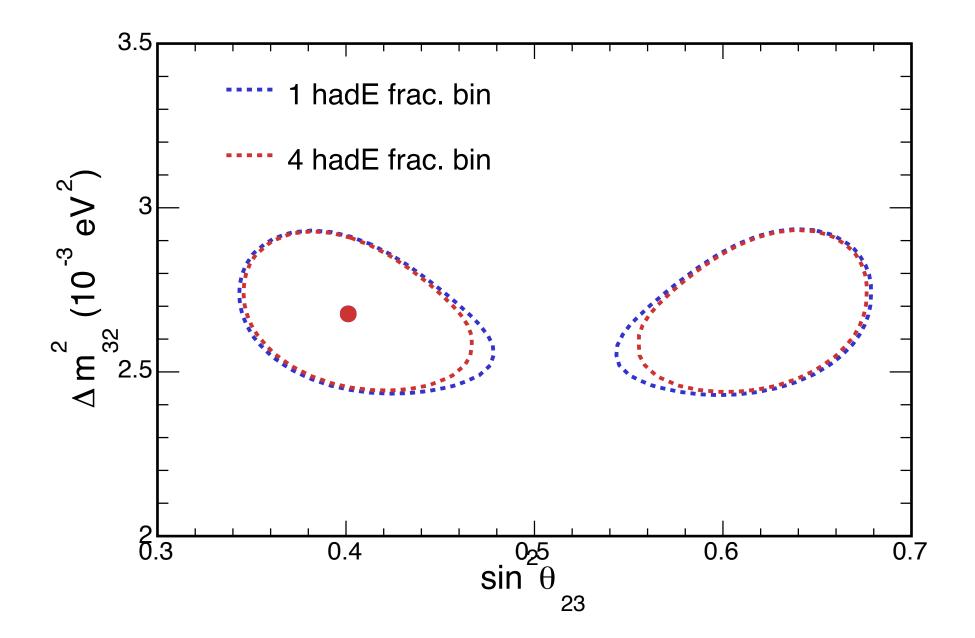


Hadronic energy fraction vs. reco. energy, 4 quantiles



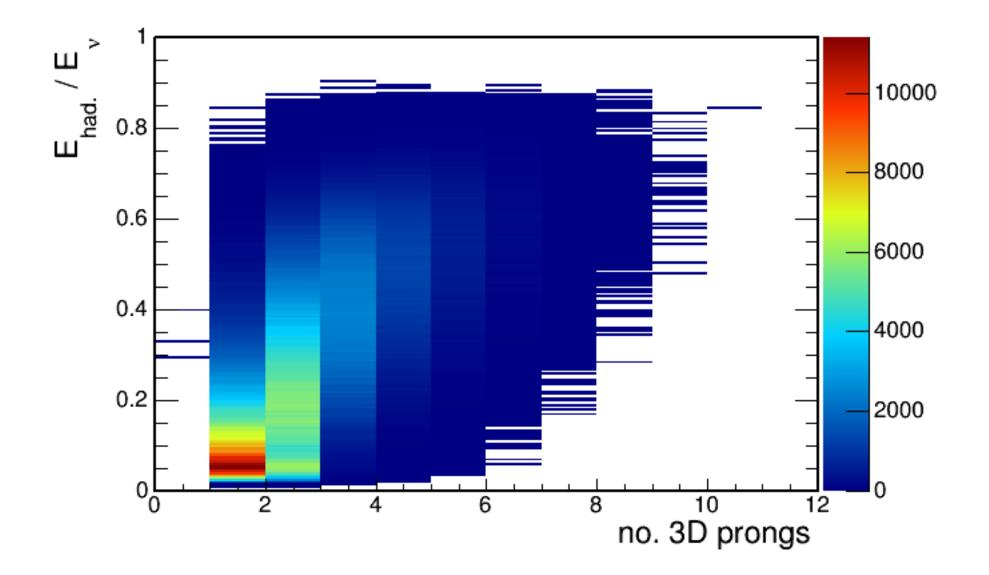


Sensitivity with hadronic energy fraction binning



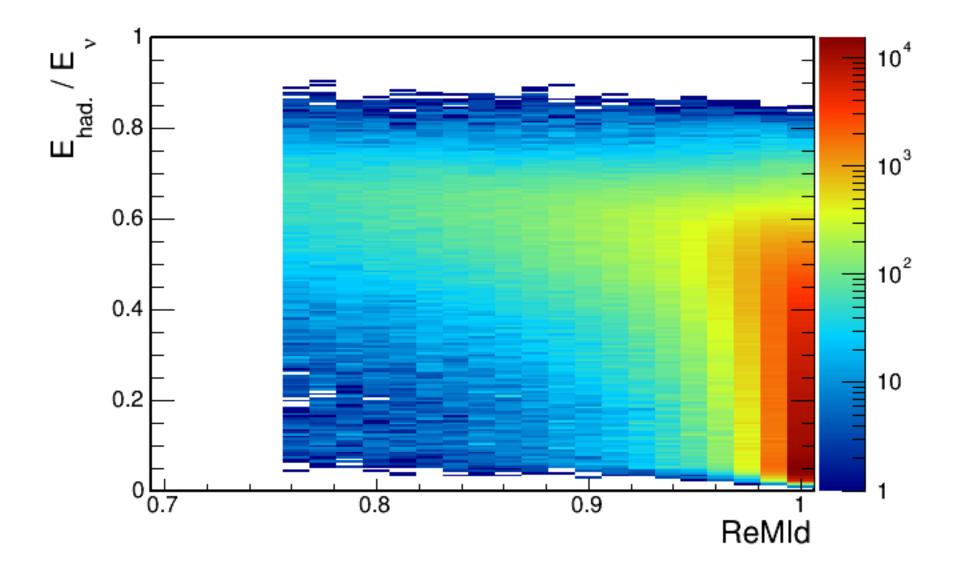


Hadronic energy fraction vs. no. 3D prongs





Hadronic energy fraction vs. ReMId





Summary

• Bin

Future plan

• Re

Backup