

$H \rightarrow W W + 2 \text{ jets}$ Analysis



THE UNIVERSITY
of
WISCONSIN
MADISON



Will Parker

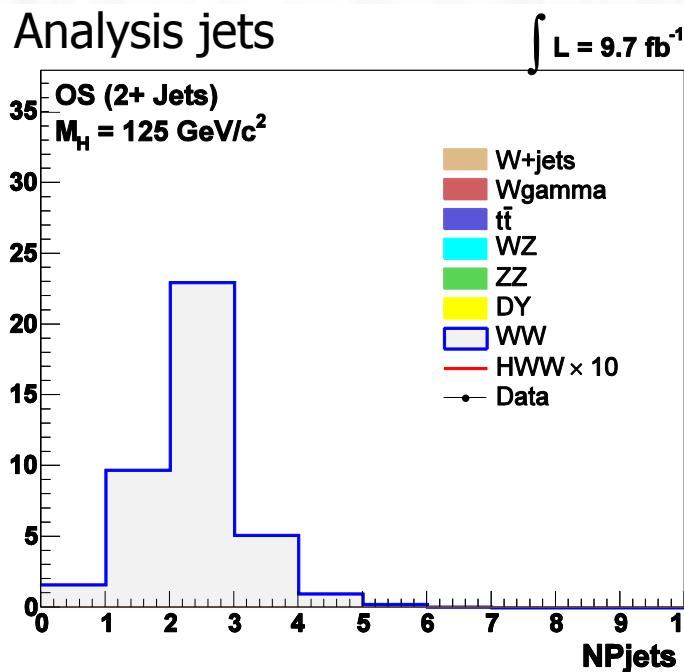
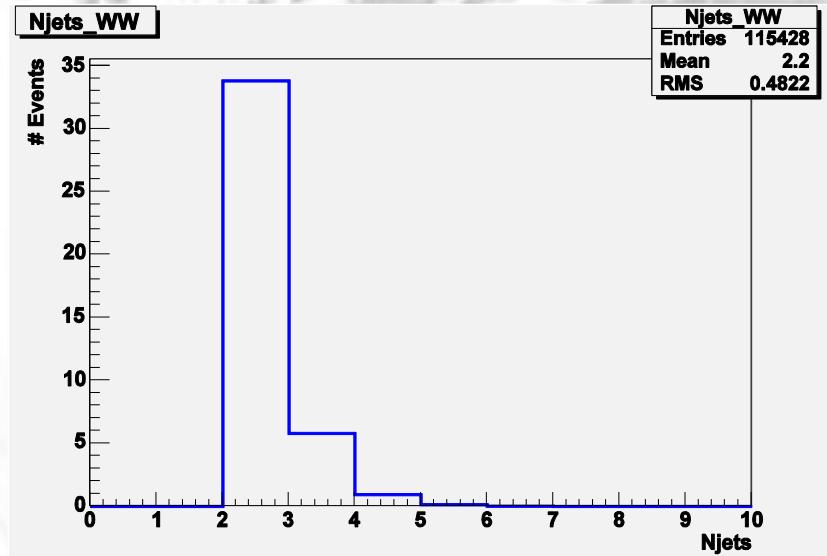
University of Wisconsin – Madison

11/26/12

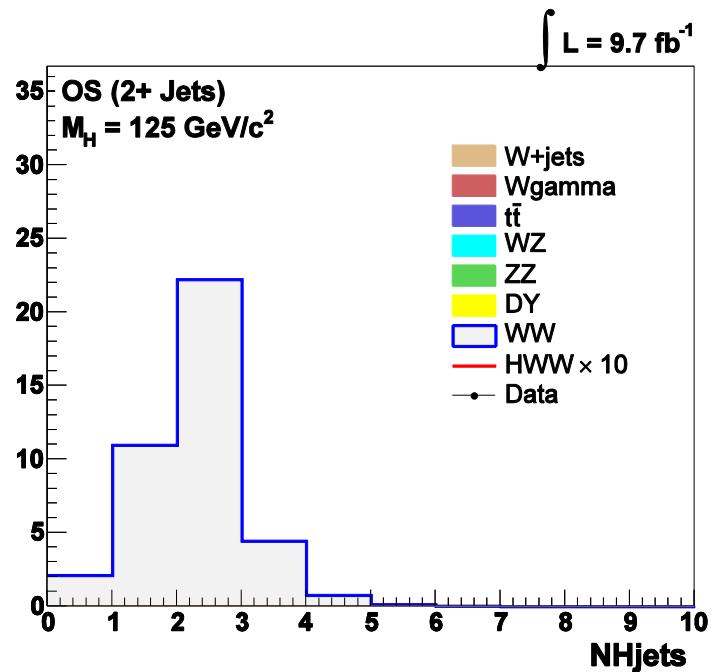
Update

- Added hadron jets
 - Clustering all hadrons of status 1(final status)
 - Also all photons of status 1
 - Otherwise identical to parton jets
- Reprocessed WW MC with hadron and parton jets
- Comparing Njets and jet kinematics for analysis jets, parton jets, and hadron jets

Number of Jets

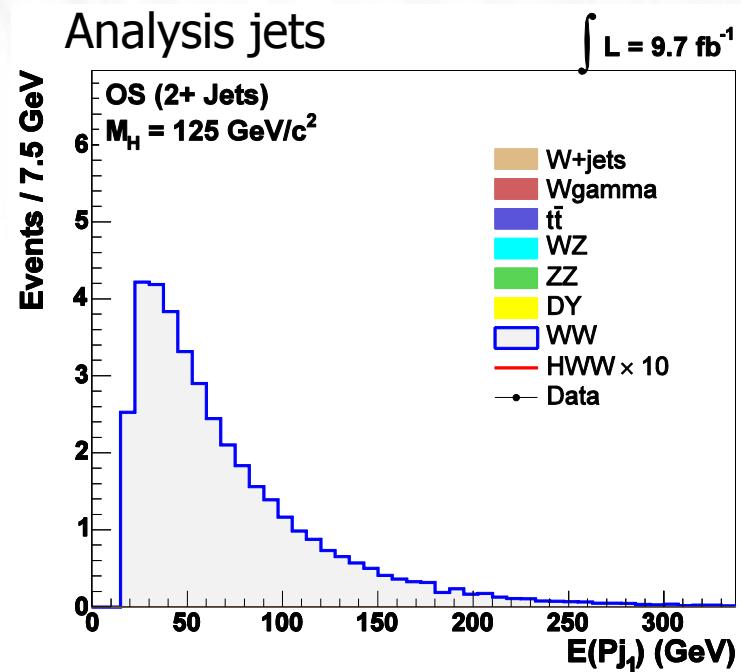
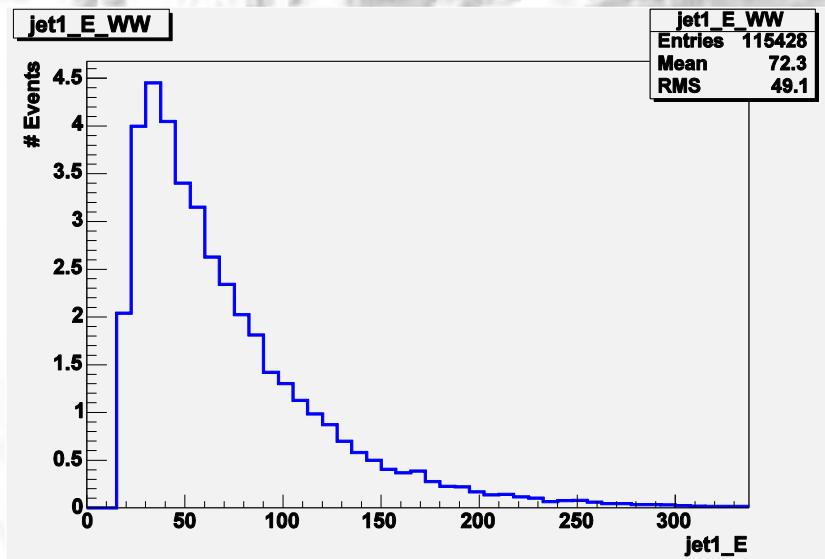


Parton jets

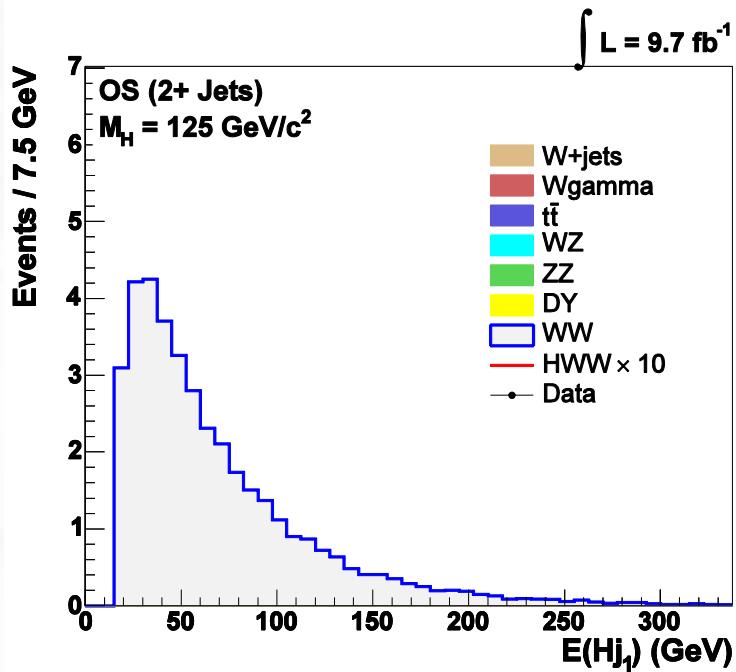


Hadron jets

Jet 1: Energy

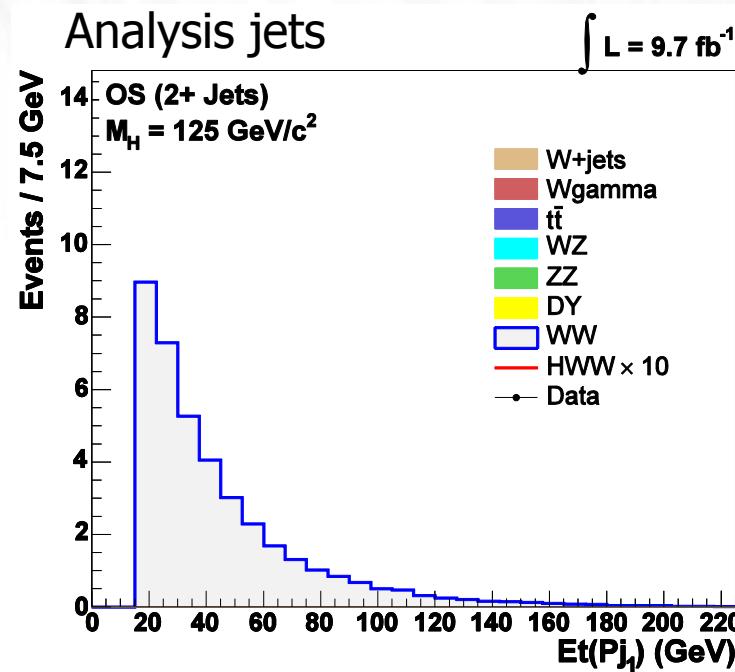
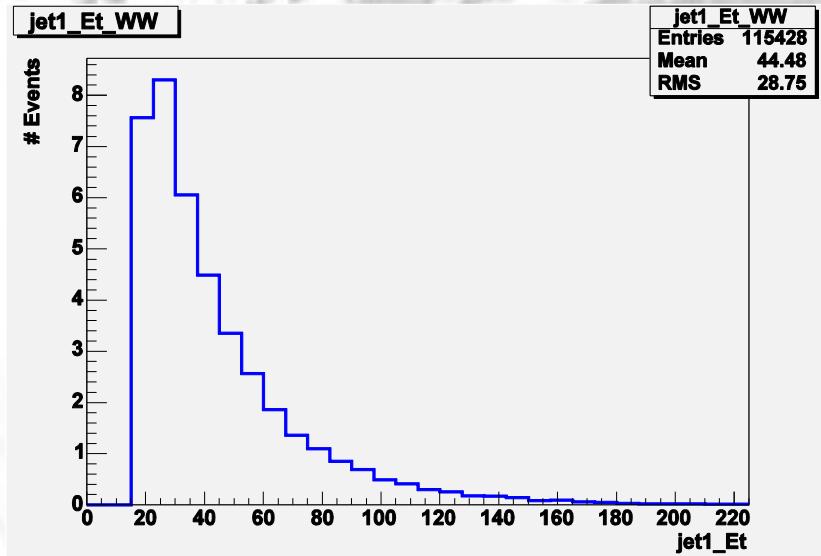


Parton jets

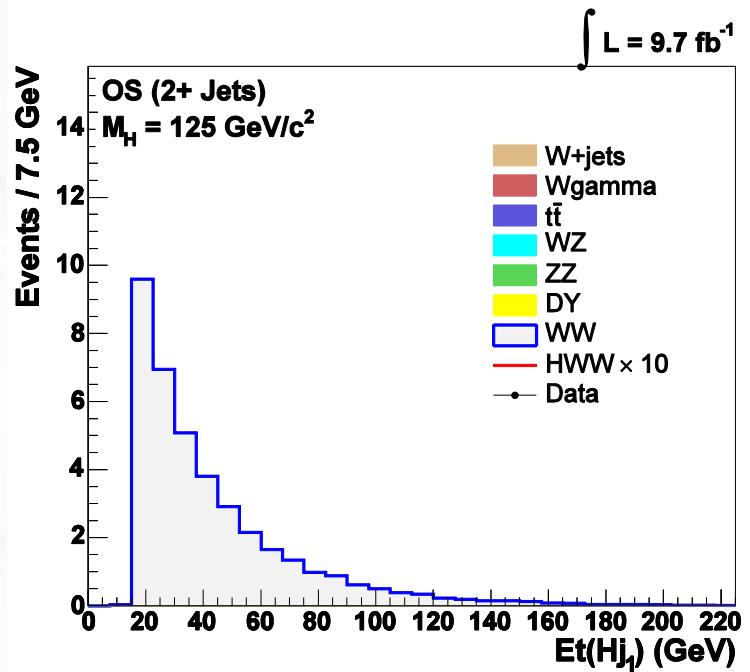


Hadron jets

Jet 1: E_T

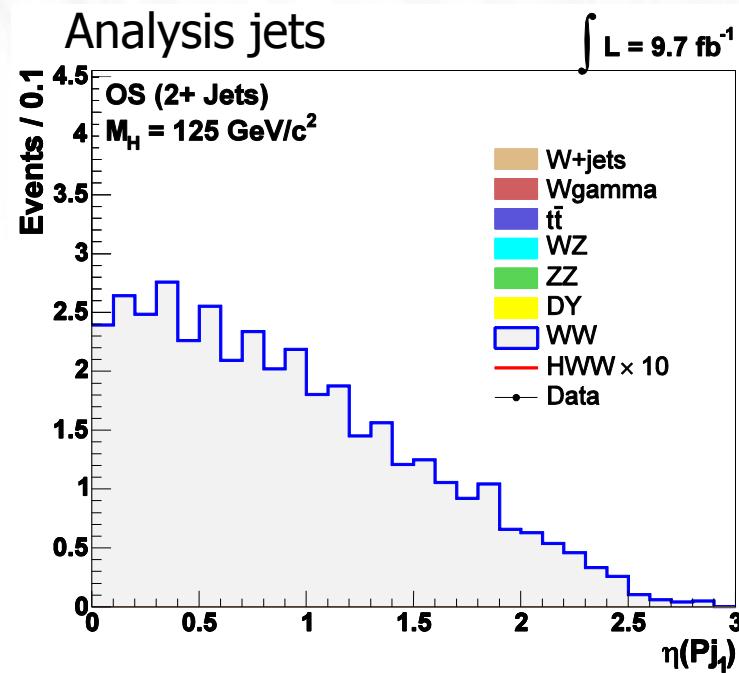
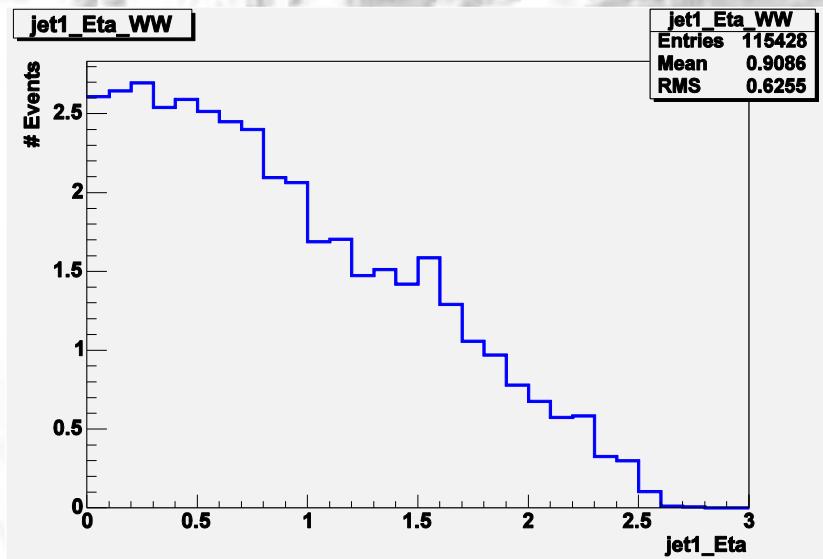


Parton jets

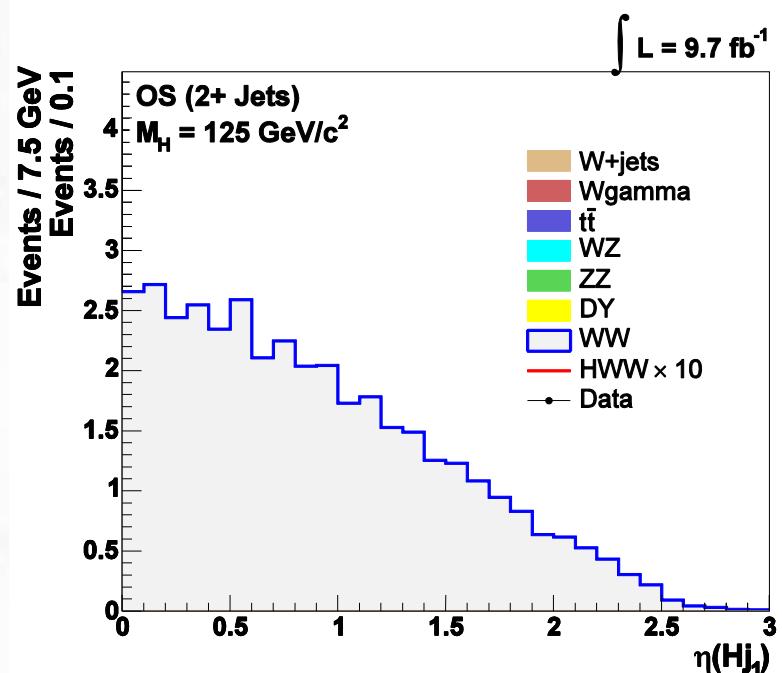


Hadron jets

Jet 1: Eta

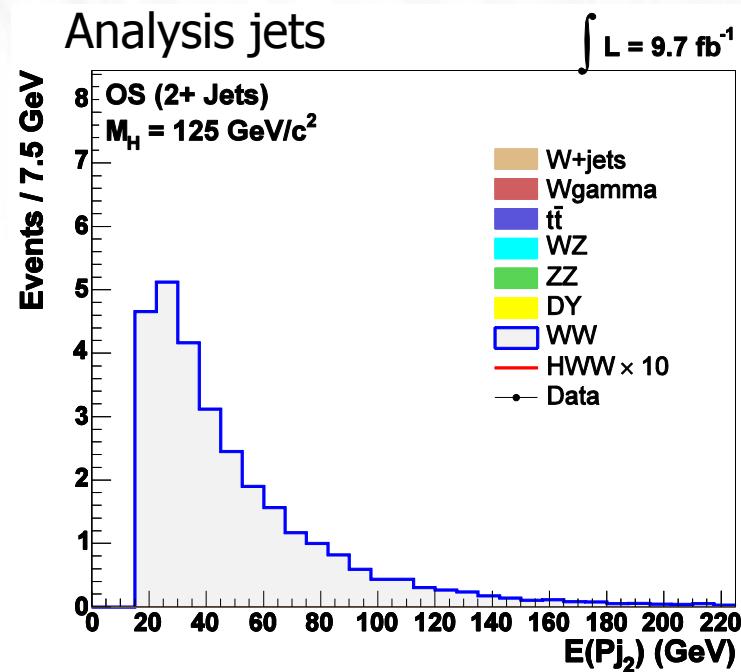
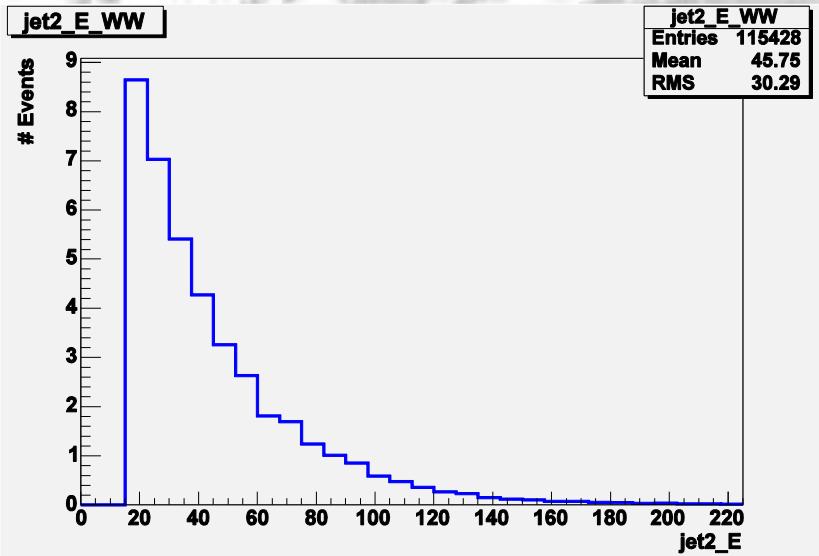


Parton jets

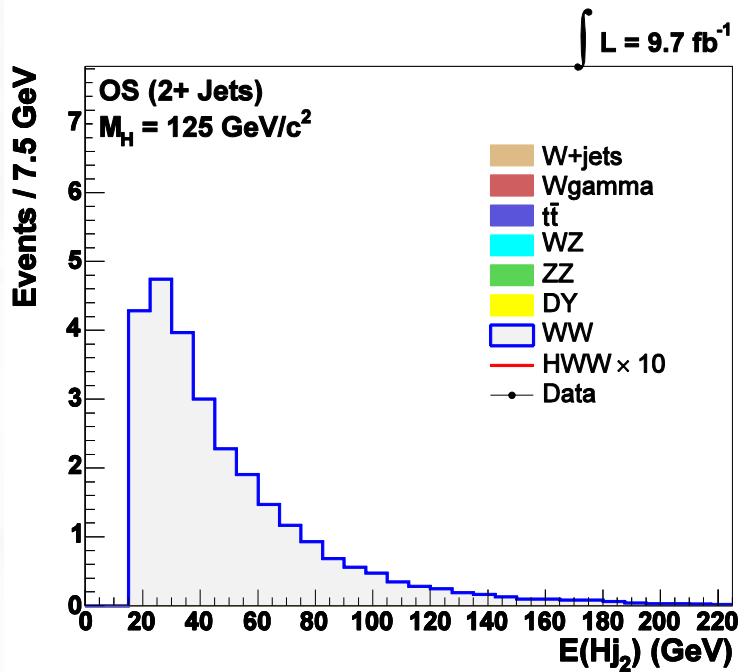


Hadron jets

Jet 2: Energy

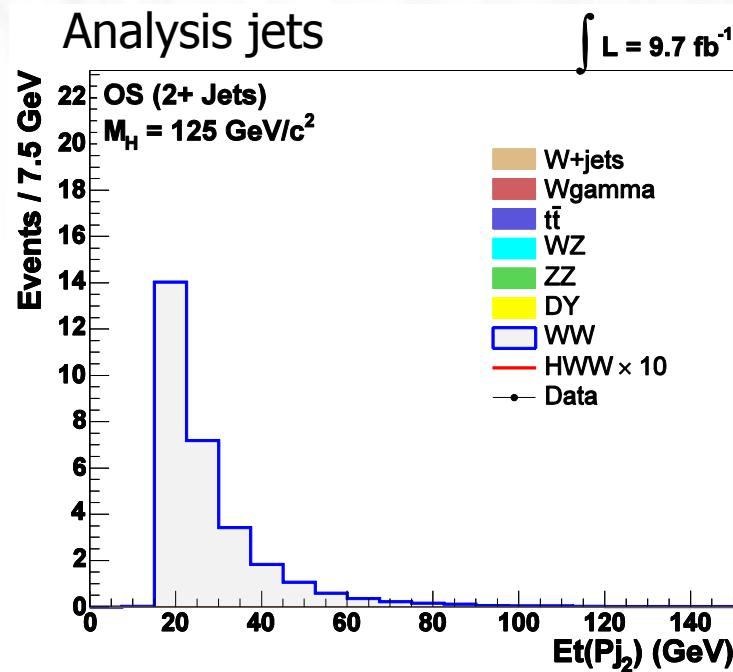
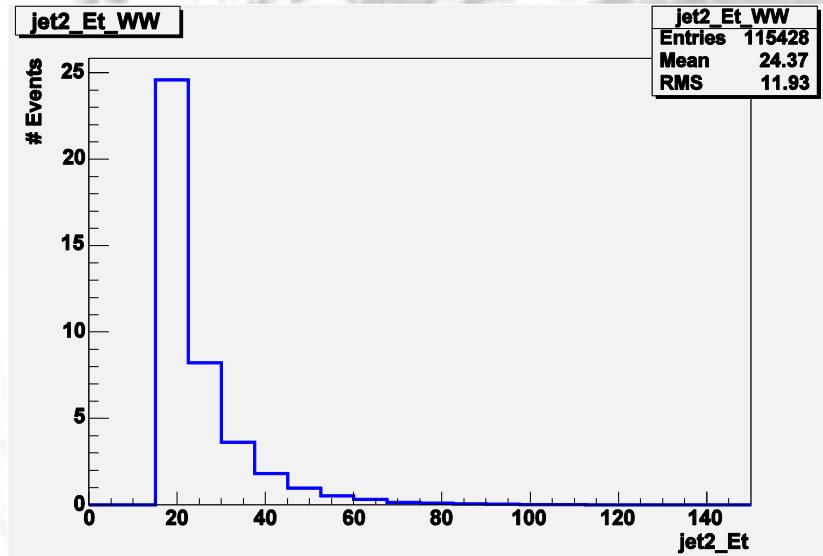


Parton jets

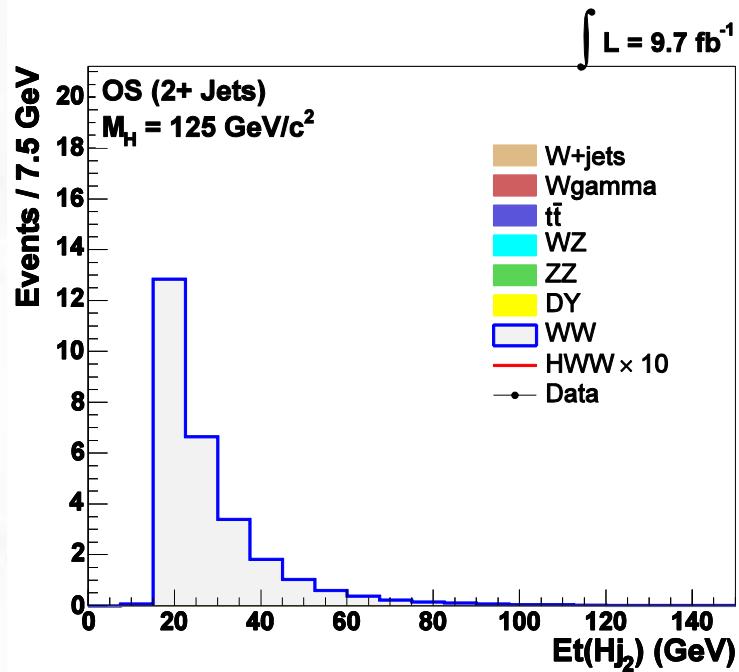


Hadron jets

Jet 2: E_t



Parton jets



Hadron jets

Jet 2: Eta

