H → W W + 2 jets Analysis

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Parton Information

Parton Selection
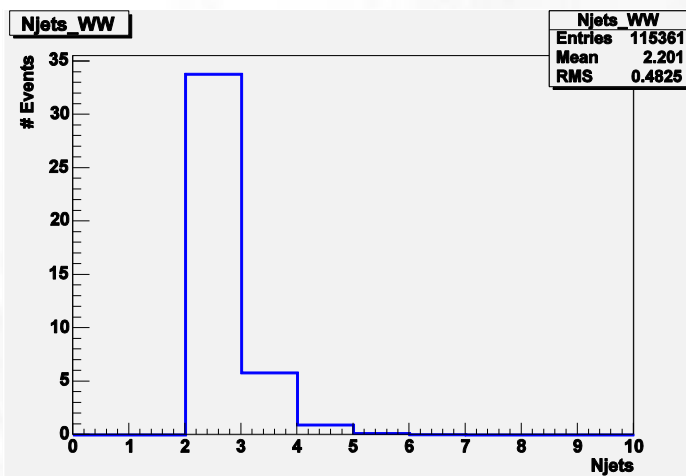
- Must be a quark or gluon (no top quarks)
- Parton_Et > 10 GeV
- |Parton_Eta| < 2.5
- No incoming partons (first 6 particles in HEPG bank)
- Cannot have an ancestor that has already been stored
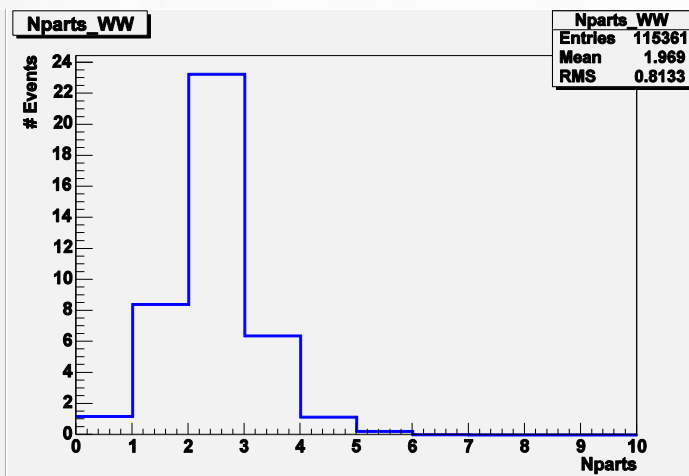
Information Stored

- Kinematics
- Status (1=final state, 2=intermediate state, 3=from Alpgen event)
- Initial collision or underlying event
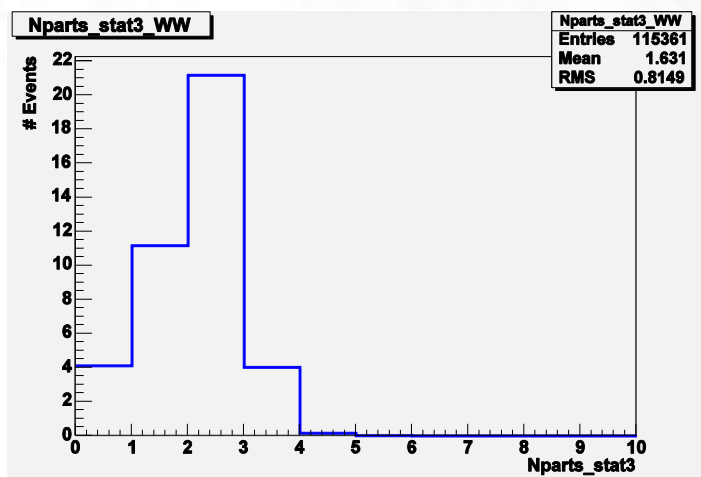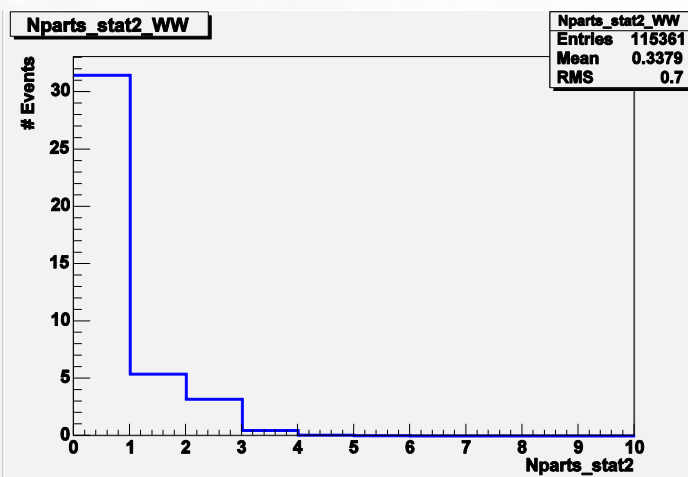- Connected to Pythia QCD string

Nparton Distributions

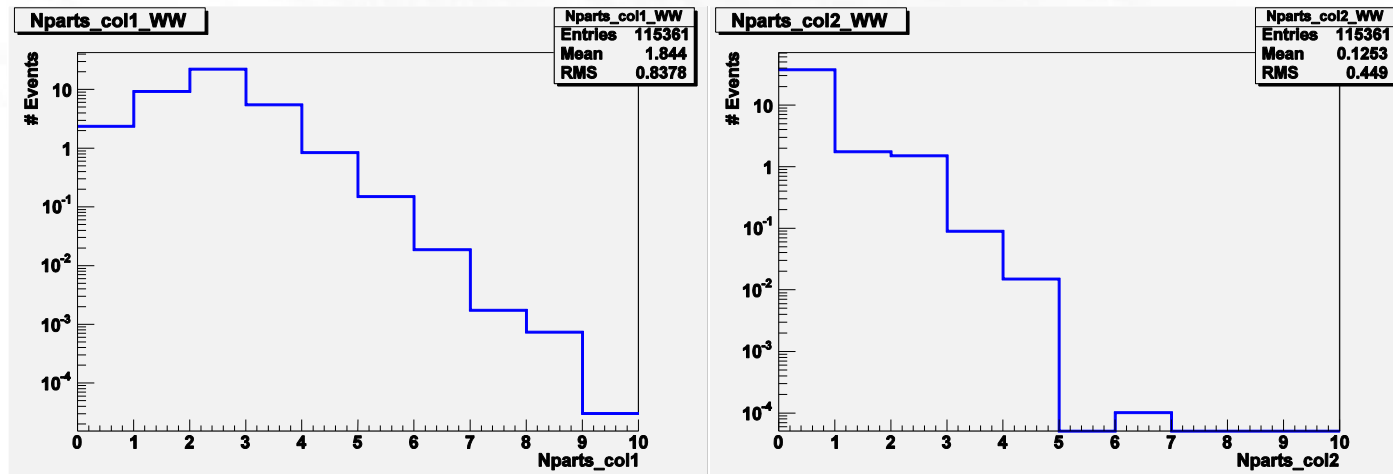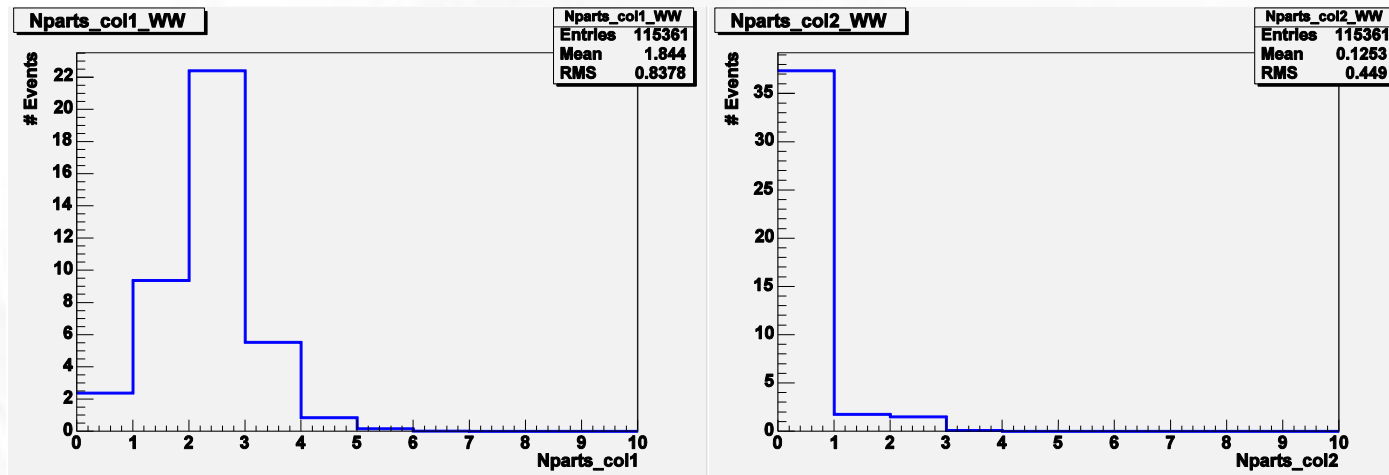Will Parker   U.W. Madison   10/01/12

Underlying Event Partons

First collision   >1 collision

To Do

- Check some events to determine whether jets can be matched to status 2 partons and partons from other collisions.
- Order partons by Et? Only necessary if we are interested in parton kinematics

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