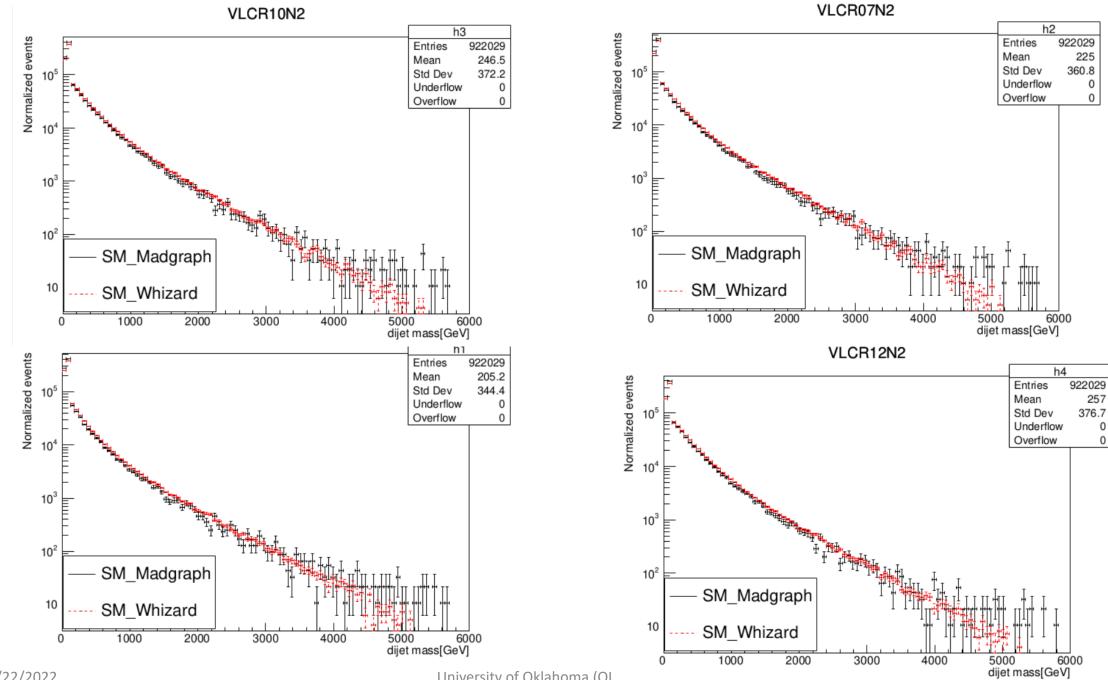
SM comparisons: MadGraph vs Whizard

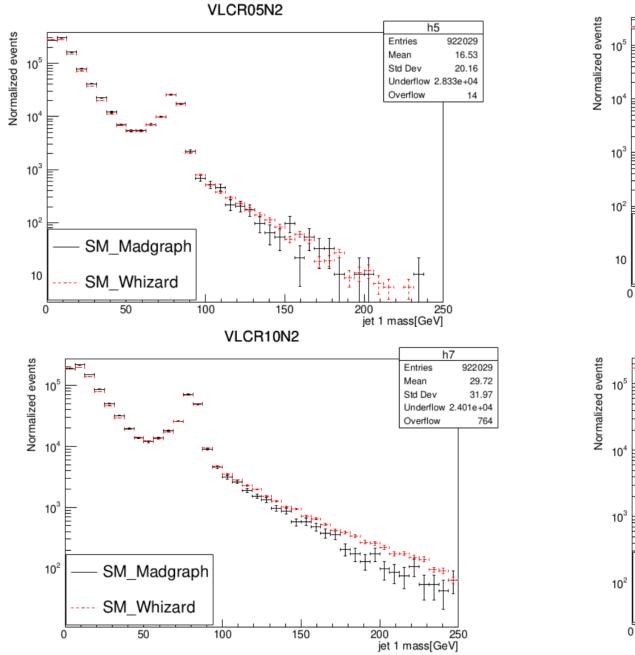
Mayuri Kawale University of Oklahoma

Introduction

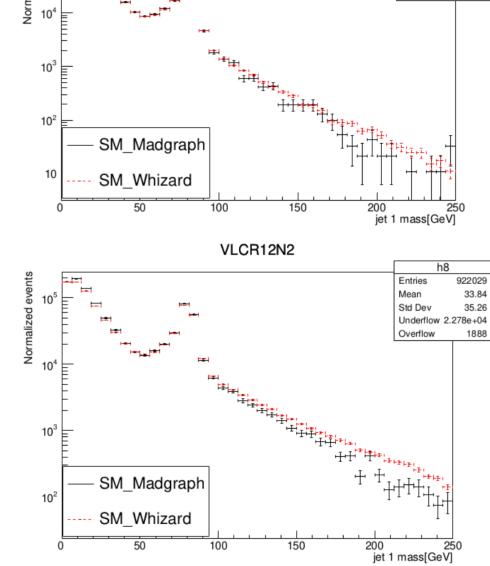
- We are looking at Valencia jets with R = 0.5, 0.7, 1 and 1.2 and N=2 using exclusive jet clustering algorithm.
- In the following slides, we look at various parameters like dijet: mass, pT; leading jet: mass, pT, eta, pT vs eta; second leading jet: mass, pT, eta; and jet multiplicity plots.
- All the plots are normalized using cross-section and luminosity (4 ab^{-1}).
- We are comparing the SM distributions for SM samples produced using MadGraph and Whizard.



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h6

Underflow 2.623e+04

922029

22.22

25.71

114

Entries

Std Dev

Overflow

Mean

