

Di-jet  $\chi$  ( $800 < M_{jj} < 1000$ ) $1/\sigma_{\text{dijet}} d\sigma_{\text{dijet}} / d\chi_{\text{dijet}}$ 

- CMS
- Pythia 6.427 346
- △ Pythia 6.427 347
- ◇ Pythia 6.427 348
- ⊕ Pythia 6.427 349
- △ Pythia 6.427 370

0.14

0.12

0.1

0.08

0.06

0.04

0.02

0.01

0.005

0.002

0.001

0.0005

0.0002

0.0001

0.00005

0.00002

0.00001

CMS\_2012\_I1090423

Ratio to CMS

2

1.5

1

0.5

0.2

0.1

0.05

0.02

0.01

Rivet 3.1.0,  $\geq 6.6\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1.5

1

0.5

0.2

0.1

0.05

0.02

0.01

0

5

10

15

 $\chi_{\text{dijet}}$