

7000 GeV pp

Jets

Di-jet  $\chi$  $d^2\sigma/d\chi dm_{1,2}$  [pb/GeV]

30

25

20

15

10

■ ATLAS

○ Herwig++ (Def)

□ Herwig 7 (Def) (SUS\_2010\_S8817804 (VALIDATED REENRANT))

■ Pythia 6 (Def)

▲ Pythia 8 (Def) (Herwig 7.1, Herwig 7.2.0, Pythia 6.428, Pythia 8.301, Sherpa 2.2.8)

◆ Sherpa (Def)

Rivet 3.1.0,  $\geq 4.9M$  events

mcplots.cern.ch (arXiv:1306.3436)

2

1

0.5

Ratio to ATLAS

2

1

0.5

1

10

chi

