

13000 GeV pp

Z+Jet

 $p_T(Z)$ ratio (CMS Z+c and Z+b) $R(b/j)$

0.22

0.20

0.18

0.16

0.14

0.12

0.10

0.08

0.06

0.04

0.02

0.00

CMS

Pythia 8.308 default

Pythia 8.308 default-noFsr

Pythia 8.308 default-noRap

Rivet 3.1.10, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2020_I1776758

Ratio to CMS

2

1

0.5

2

1

0.5

0

50

100

150

200

 $p_T(Z)$ [GeV]