

7000 GeV pp

Soft QCD

$\sum E_T$ for the minimum bias selection, $0.0 < \eta < 0.8$

1
 10^{-1}
 10^{-2}
 10^{-3}
 10^{-4}

- ATLAS
- - □ Herwig 7.2.1 default
- ⋯ ◆ Sherpa 2.2.9 default

(ATLAS_2012_I1183818)

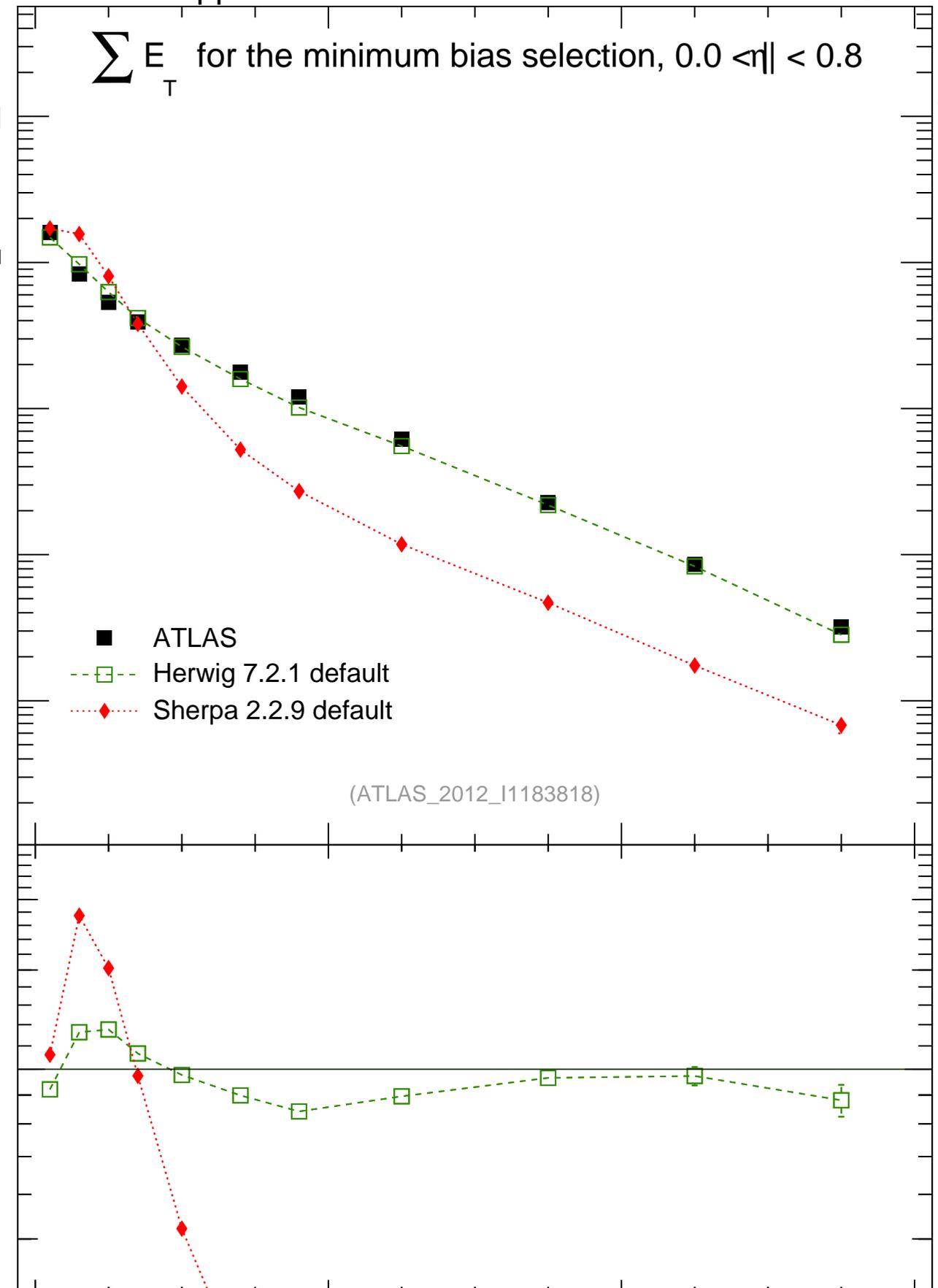
Rivet 4.1.0, $\geq 100k$ events
mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2
1
0.5

2
1
0.5

0 20 40 60



Events	ATLAS	Herwig 7.2.1 default	Sherpa 2.2.9 default
0	-	-	-
2	0.15	0.15	0.15
4	0.1	0.1	0.15
6	0.06	0.06	0.09
8	0.04	0.04	0.04
10	0.03	0.03	0.015
12	0.025	0.025	0.005
14	0.018	0.018	0.002
16	0.012	0.012	0.001
18	0.008	0.008	0.0005
20	0.006	0.006	0.0003
25	0.004	0.004	0.00015
30	0.0025	0.0025	0.00008
35	0.0015	0.0015	0.00004
40	0.0009	0.0009	0.00002
45	0.0005	0.0005	0.00001
50	0.0003	0.0003	-
55	0.0002	0.0002	-