

27.4 pb⁻¹ (5.02 TeV pp) + 404 μb⁻¹ (5.02 TeV PbPb)

CMS
D⁰ + jet

4 < p_T^D < 20 GeV/c

|y^D| < 2

|p_T^{jet}| > 60 GeV/c

|m^{jet}| < 1.6

$\frac{1}{N_{\text{JD}}} \frac{dN_{\text{JD}}}{dr}$

10

1

10⁻¹

■ PbPb

● pp

+ PYTHIA

CCNU

⋯ PbPb

⋯ pp (SHERPA)

$\frac{\text{PbPb}}{\text{pp}}$

⋯ CCNU

2

1

$\frac{\text{Generator}}{\text{pp}}$

1.5

1

0.5

0

● SHERPA

+ PYTHIA

0 0.1 0.2 0.3 0.4 0.5

r

