

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

CMS *Preliminary*
D⁰ + jet

$4 < p_T^D < 20$ GeV/c

$|y^D| < 2$

$|p_T^{\text{jet}}| > 60$ GeV/c

$|\eta^{\text{jet}}| < 1.6$

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

10

1

10⁻¹

PbPb

pp

PYTHIA

CCNU

PbPb

pp (SHERPA)

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

2

1

CCNU

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

1.5

1

0.5

0

pp (SHERPA)

PYTHIA

r

0.5

0.4

0.3

0.2

0.1

0