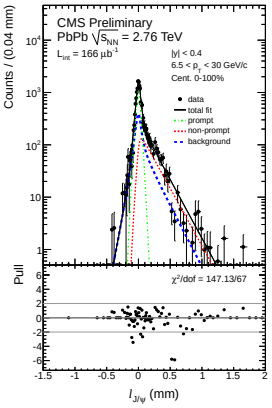
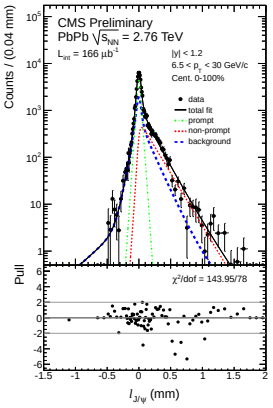
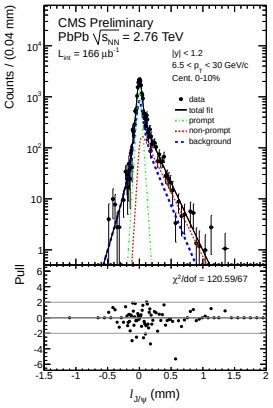
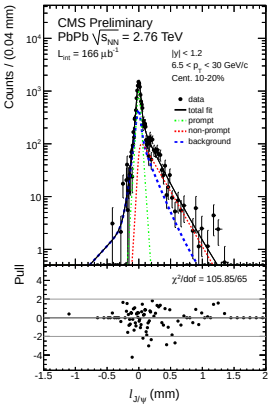
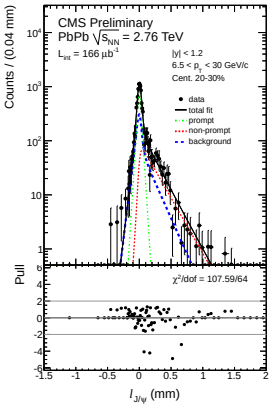
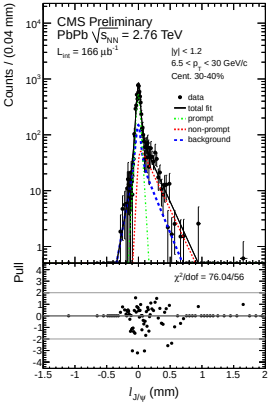

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 0.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 147.13/67
$l_{J/\psi}$ (mm)

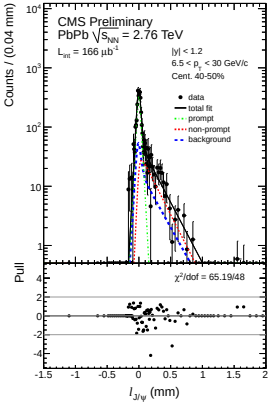

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 1.2
6.5 < p_T < 30 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 143.95/78
$l_{J/\psi}$ (mm)

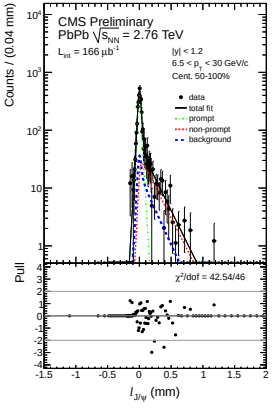

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 1.2
6.5 < p_T < 30 GeV/c
Cent. 0-10%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 120.59/67
$l_{J/\psi}$ (mm)

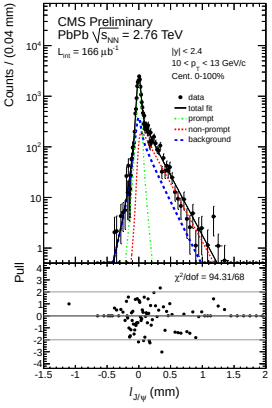

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 1.2
6.5 < p_T < 30 GeV/c
Cent. 10-20%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 105.85/65
$l_{J/\psi}$ (mm)

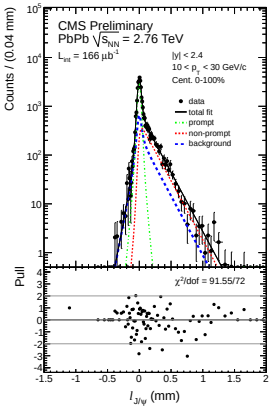

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 1.2
6.5 < p_T < 30 GeV/c
Cent. 20-30%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 107.59/64
$l_{J/\psi}$ (mm)

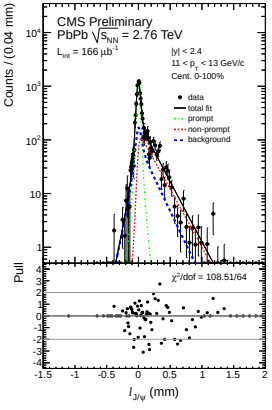

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 1.2
6.5 < p_T < 30 GeV/c
Cent. 30-40%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 76.04/56
$l_{J/\psi}$ (mm)

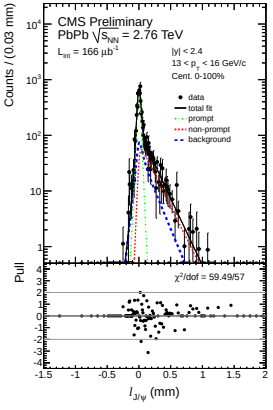

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 1.2
6.5 < p_T < 30 GeV/c
Cent. 40-50%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 65.19/48
$l_{J/\psi}$ (mm)

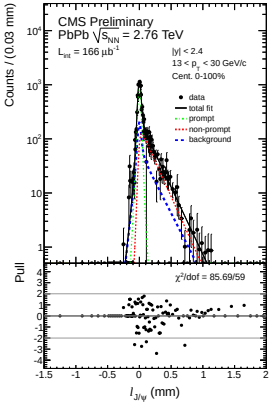

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 1.2
6.5 < p_T < 30 GeV/c
Cent. 50-100%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 42.54/46
$l_{J/\psi}$ (mm)

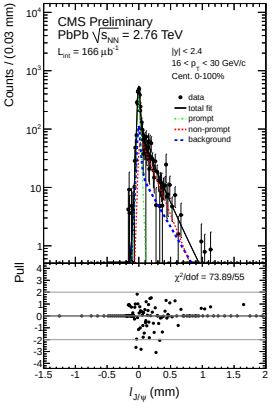

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 2.4
10 < p_T < 13 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 94.31/68
$l_{J/\psi}$ (mm)

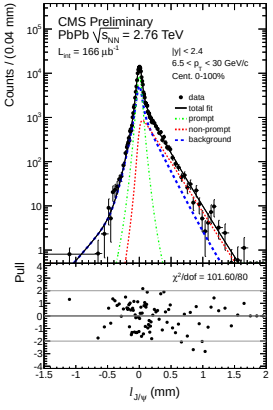

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 2.4
10 < p_T < 30 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 91.55/72
$l_{J/\psi}$ (mm)

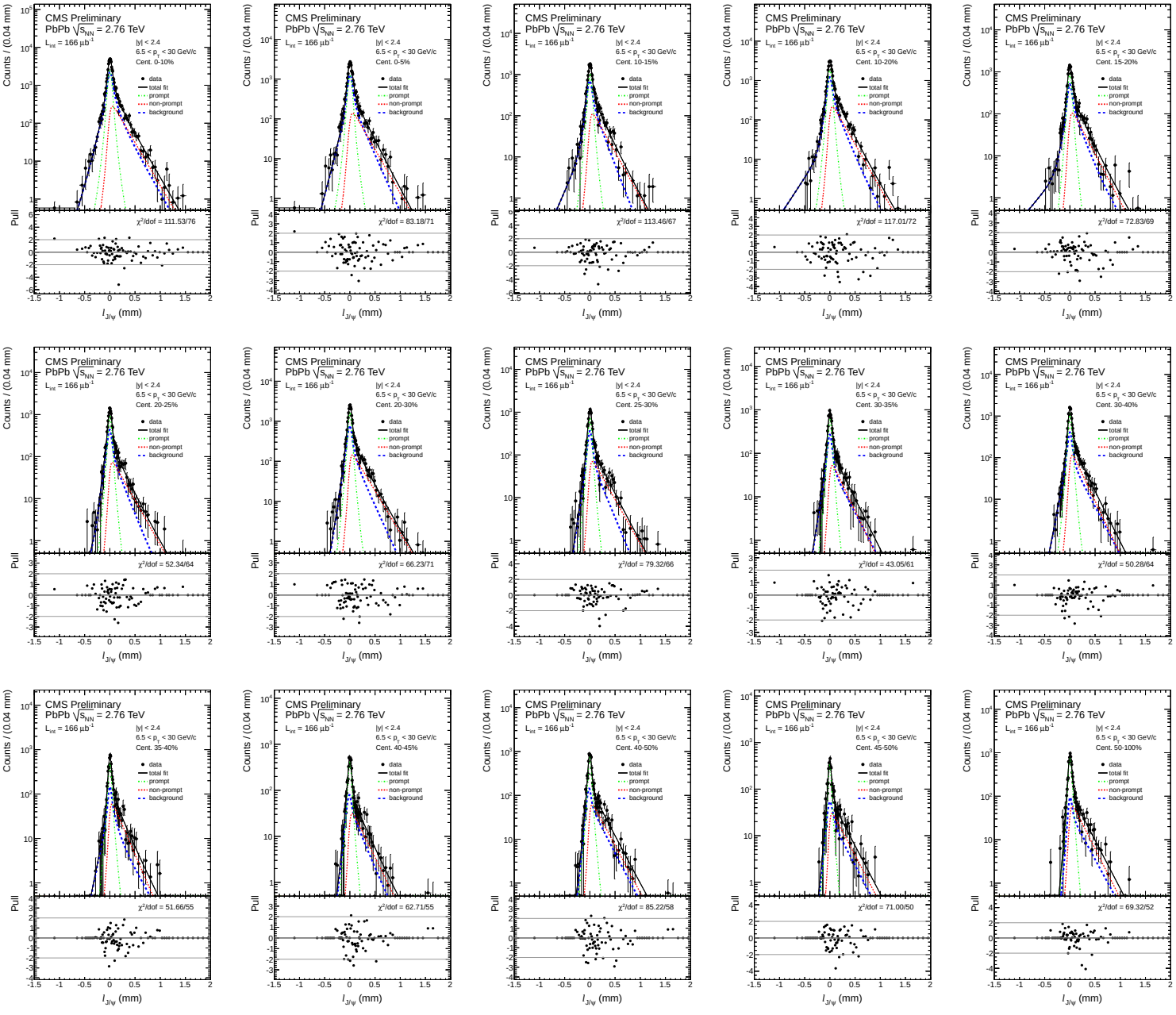

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 2.4
11 < p_T < 13 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 108.51/64
$l_{J/\psi}$ (mm)

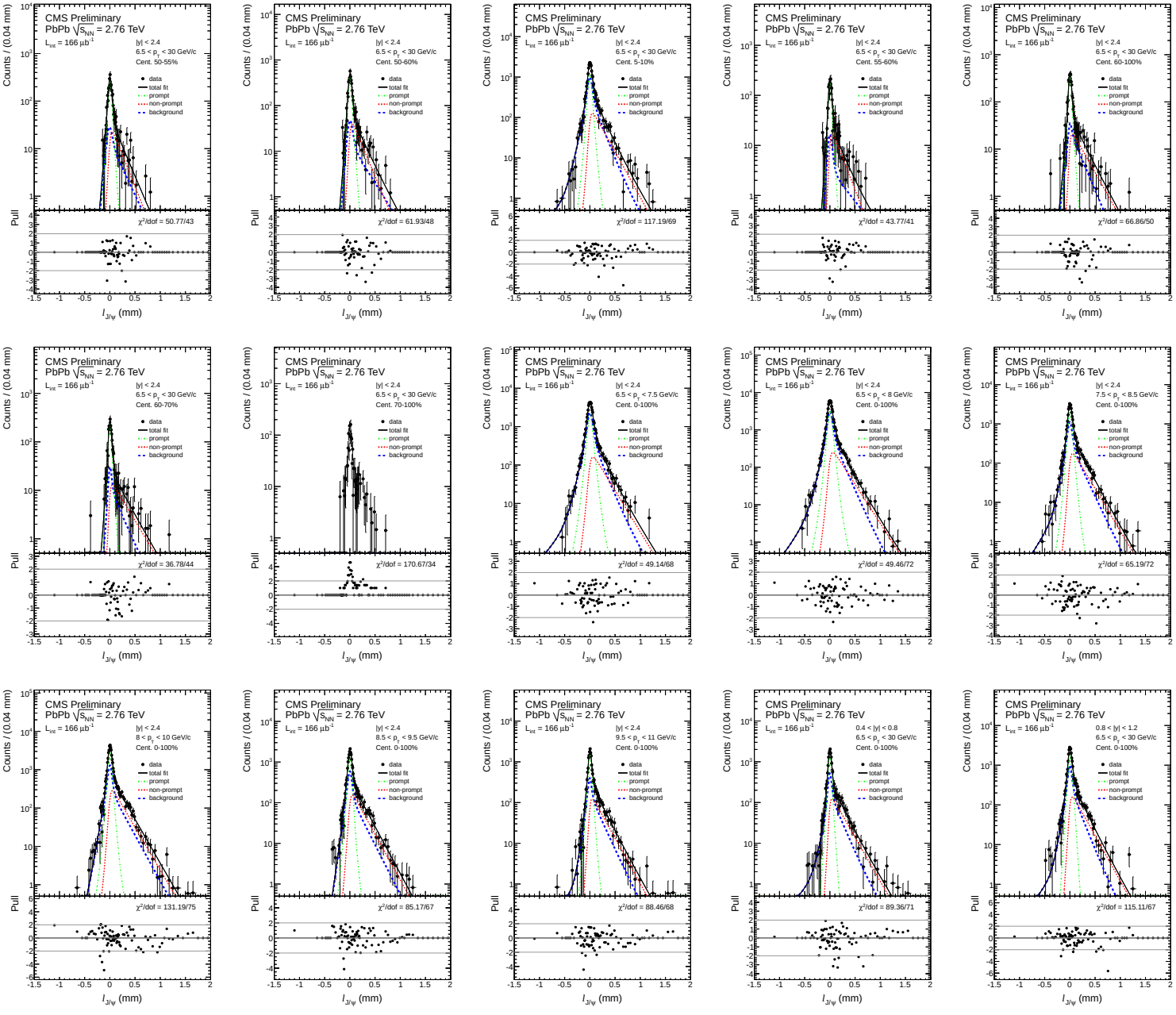

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 2.4
13 < p_T < 16 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.03 mm)
Pull
χ^2/dof = 59.49/57
$l_{J/\psi}$ (mm)

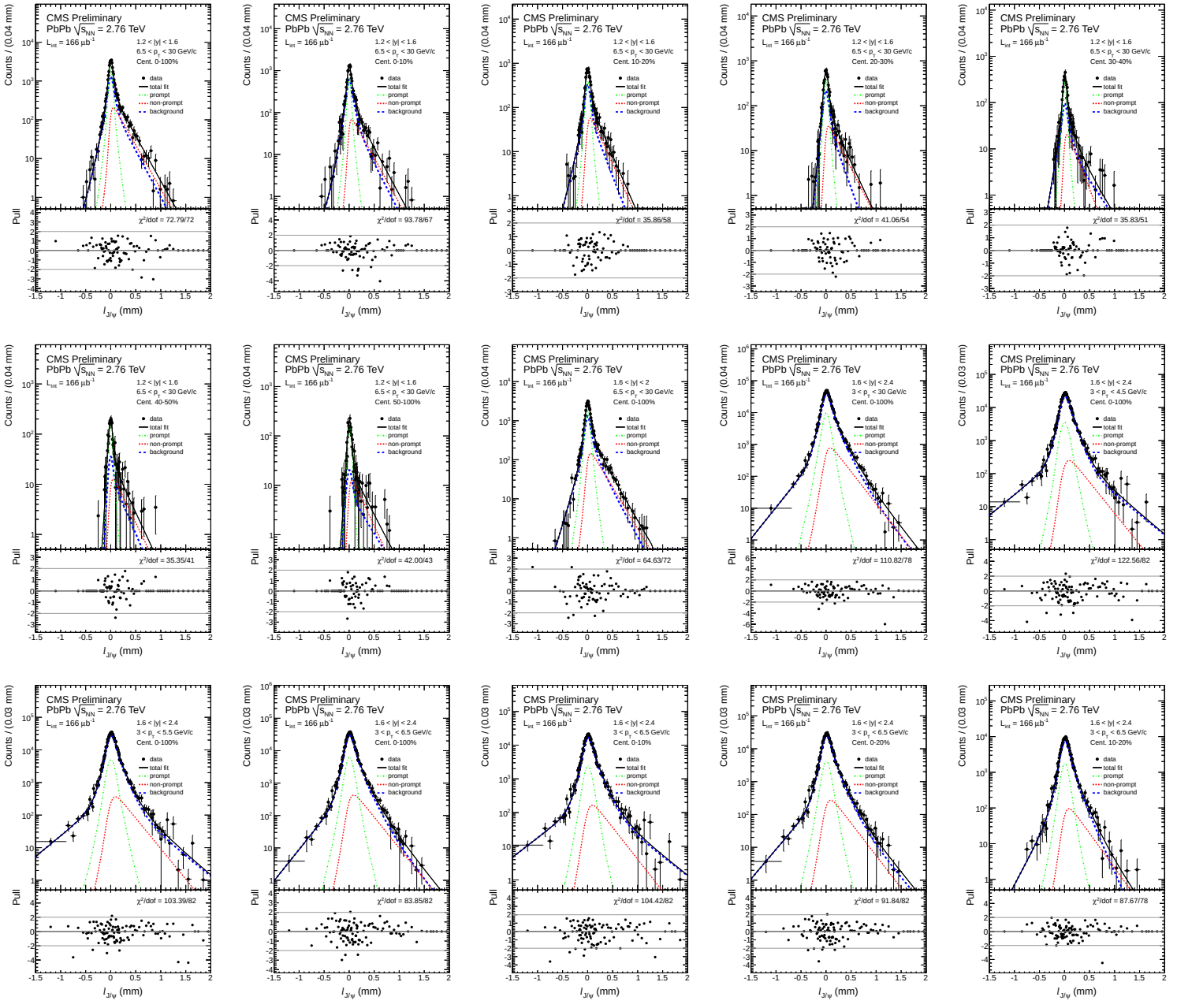

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 2.4
13 < p_T < 30 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.03 mm)
Pull
χ^2/dof = 85.69/59
$l_{J/\psi}$ (mm)

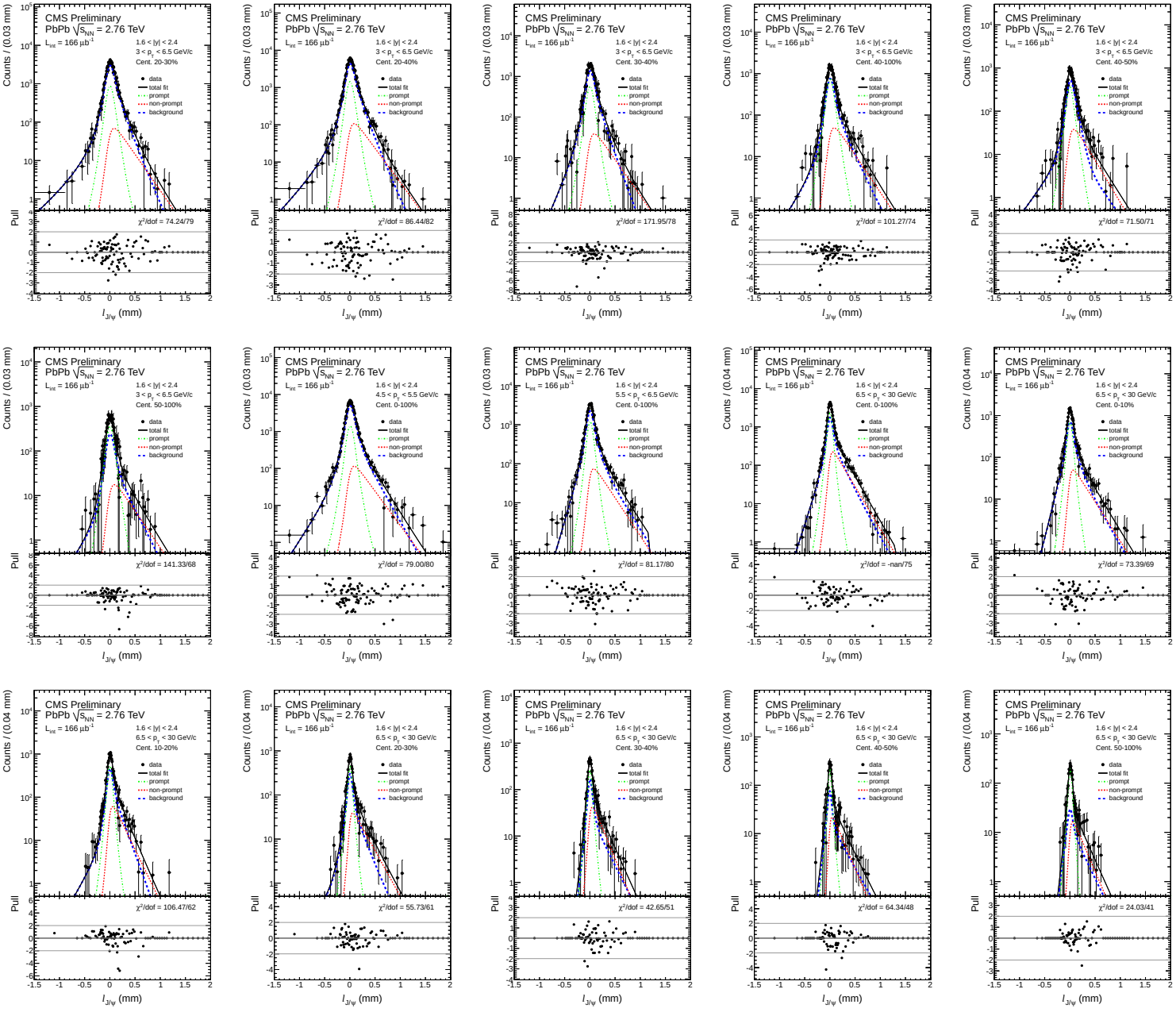

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 2.4
16 < p_T < 30 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.03 mm)
Pull
χ^2/dof = 73.89/55
$l_{J/\psi}$ (mm)

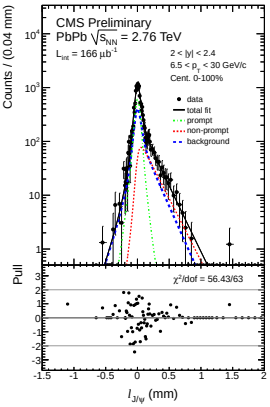

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 101.60/80
$l_{J/\psi}$ (mm)


CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-10%
Cent. 0-5%
Cent. 10-15%
Cent. 10-20%
Cent. 15-20%
Cent. 20-25%
Cent. 20-30%
Cent. 25-30%
Cent. 30-35%
Cent. 30-40%
Cent. 35-40%
Cent. 40-45%
Cent. 40-50%
Cent. 45-50%
Cent. 50-100%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
χ^2/dof = 111.53/76
χ^2/dof = 83.18/71
χ^2/dof = 113.46/67
χ^2/dof = 117.01/72
χ^2/dof = 72.83/69
χ^2/dof = 52.34/64
χ^2/dof = 66.23/71
χ^2/dof = 79.32/66
χ^2/dof = 43.05/61
χ^2/dof = 50.28/64
χ^2/dof = 51.66/55
χ^2/dof = 62.71/55
χ^2/dof = 85.22/58
χ^2/dof = 71.00/50
χ^2/dof = 69.32/52


CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
|y| < 2.4
6.5 < pμ < 30 GeV/c
Cent. 50-55%
χ2/dof = 50.77/43
Cent. 50-60%
χ2/dof = 61.93/48
Cent. 5-10%
χ2/dof = 117.19/69
Cent. 55-60%
χ2/dof = 43.77/41
Cent. 60-100%
χ2/dof = 66.86/50
Cent. 60-70%
χ2/dof = 36.78/44
Cent. 70-100%
χ2/dof = 170.67/34
Cent. 0-100%
6.5 < pμ < 7.5 GeV/c
χ2/dof = 49.14/68
6.5 < pμ < 8 GeV/c
χ2/dof = 49.46/72
7.5 < pμ < 8.5 GeV/c
χ2/dof = 65.19/72
8 < pμ < 10 GeV/c
χ2/dof = 131.19/75
8.5 < pμ < 9.5 GeV/c
χ2/dof = 85.17/67
9.5 < pμ < 11 GeV/c
χ2/dof = 88.46/68
0.4 < |y| < 0.8
χ2/dof = 89.36/71
0.8 < |y| < 1.2
χ2/dof = 115.11/67
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
lJ/ψ (mm)


CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 0-100%
Cent. 0-10%
Cent. 10-20%
Cent. 20-30%
Cent. 30-40%
Cent. 40-50%
Cent. 50-100%
1.6 < |y| < 2
1.6 < |y| < 2.4
3 < p_T < 30 GeV/c
3 < p_T < 4.5 GeV/c
3 < p_T < 5.5 GeV/c
3 < p_T < 6.5 GeV/c
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Counts / (0.03 mm)
Pull
χ^2/dof = 72.79/72
χ^2/dof = 93.78/67
χ^2/dof = 35.86/58
χ^2/dof = 41.06/54
χ^2/dof = 35.83/51
χ^2/dof = 35.35/41
χ^2/dof = 42.00/43
χ^2/dof = 64.63/72
χ^2/dof = 110.82/78
χ^2/dof = 122.56/82
χ^2/dof = 103.39/82
χ^2/dof = 83.85/82
χ^2/dof = 104.42/82
χ^2/dof = 91.84/82
χ^2/dof = 87.67/78
$l_{J/\psi}$ (mm)


CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
3 < pμ < 6.5 GeV/c
Cent. 20-30%
χ2/dof = 74.24/79
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
3 < pμ < 6.5 GeV/c
Cent. 20-40%
χ2/dof = 86.44/82
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
3 < pμ < 6.5 GeV/c
Cent. 30-40%
χ2/dof = 171.95/78
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
3 < pμ < 6.5 GeV/c
Cent. 40-100%
χ2/dof = 101.27/74
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
3 < pμ < 6.5 GeV/c
Cent. 40-50%
χ2/dof = 71.50/71
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
3 < pμ < 6.5 GeV/c
Cent. 50-100%
χ2/dof = 141.33/68
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
4.5 < pμ < 5.5 GeV/c
Cent. 0-100%
χ2/dof = 79.00/80
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
5.5 < pμ < 6.5 GeV/c
Cent. 0-100%
χ2/dof = 81.17/80
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
6.5 < pμ < 30 GeV/c
Cent. 0-100%
χ2/dof = -nan/75
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
6.5 < pμ < 30 GeV/c
Cent. 0-10%
χ2/dof = 73.39/69
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
6.5 < pμ < 30 GeV/c
Cent. 10-20%
χ2/dof = 106.47/62
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
6.5 < pμ < 30 GeV/c
Cent. 20-30%
χ2/dof = 55.73/61
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
6.5 < pμ < 30 GeV/c
Cent. 30-40%
χ2/dof = 42.65/51
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
6.5 < pμ < 30 GeV/c
Cent. 40-50%
χ2/dof = 64.34/48
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 166 μb-1
1.6 < |y| < 2.4
6.5 < pμ < 30 GeV/c
Cent. 50-100%
χ2/dof = 24.03/41
data
total fit
prompt
non-prompt
background
Counts / (0.03 mm)
Counts / (0.04 mm)
Pull
lJ/ψ (mm)


CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 166 μb^{-1}
2 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
data
total fit
prompt
non-prompt
background
Counts / (0.04 mm)
Pull
χ^2/dof = 56.43/63
$l_{J/\psi}$ (mm)