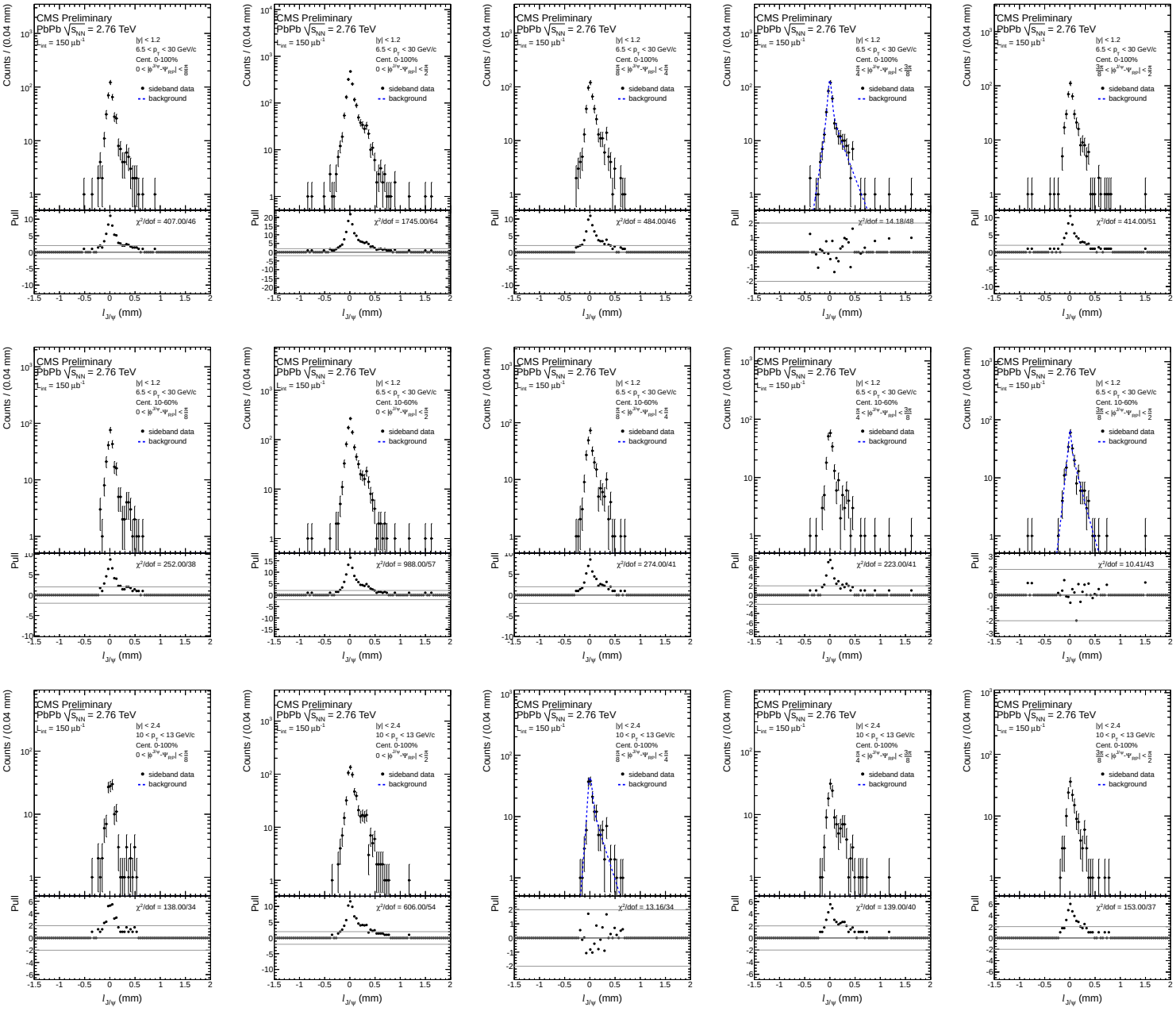
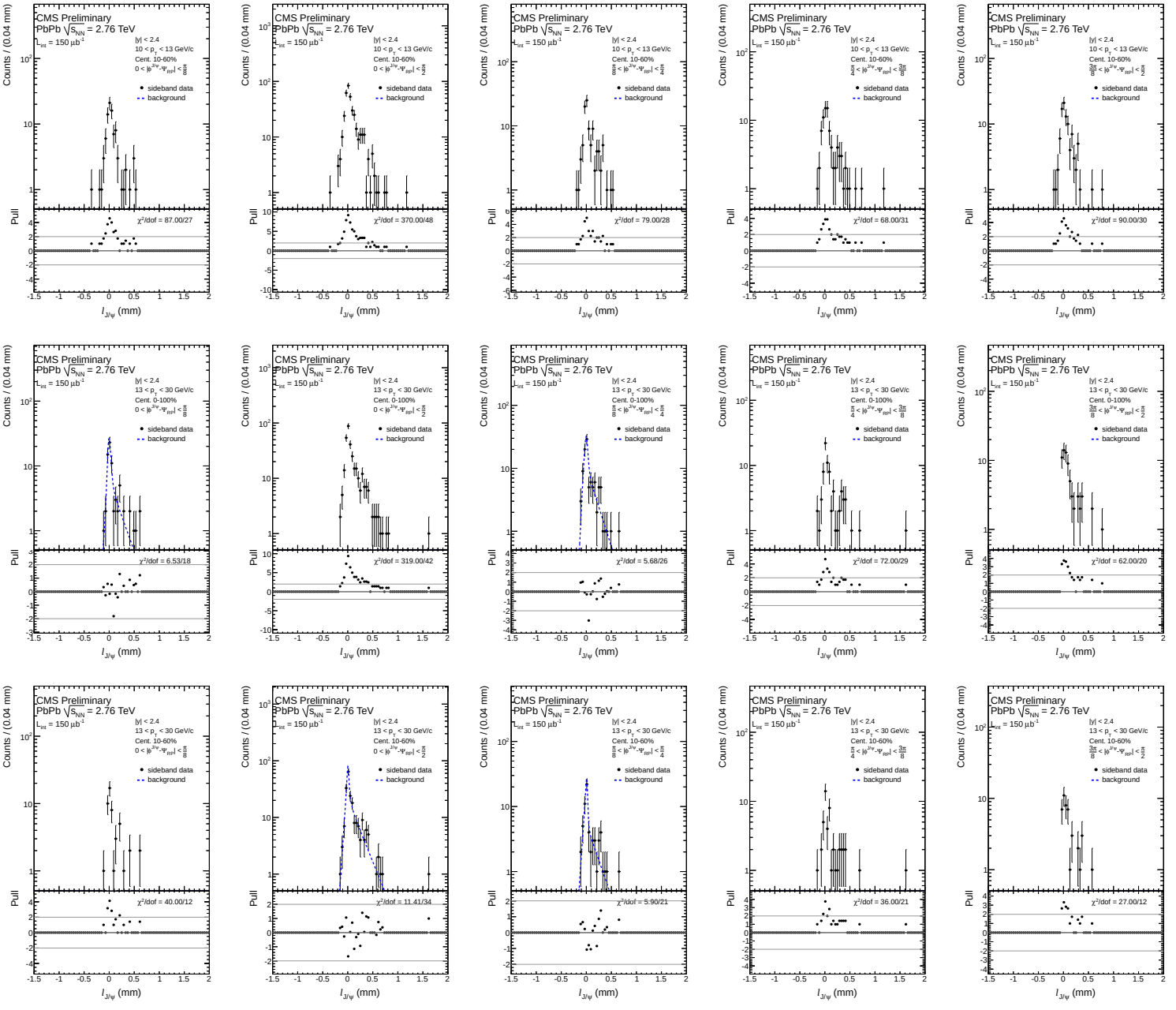
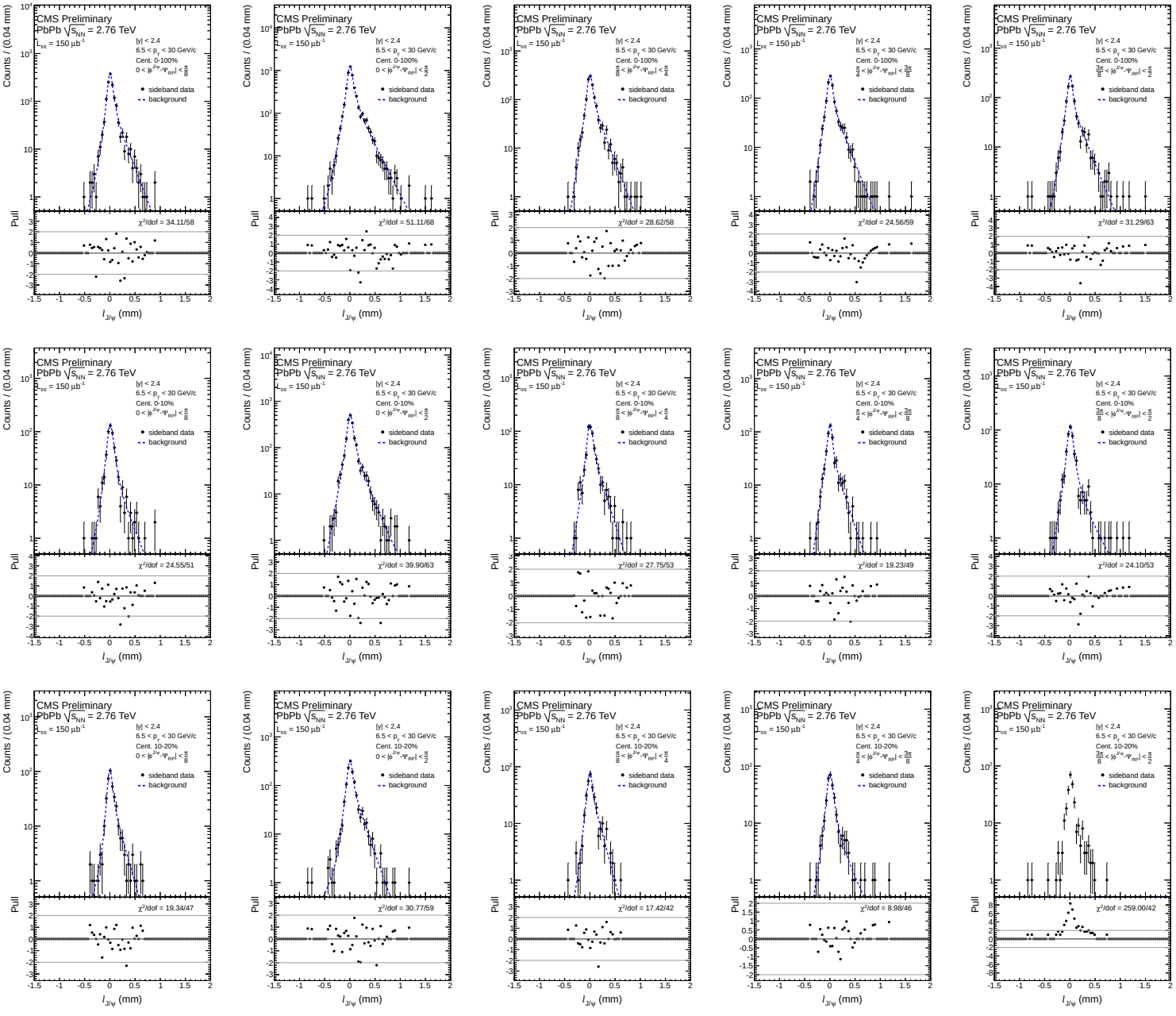
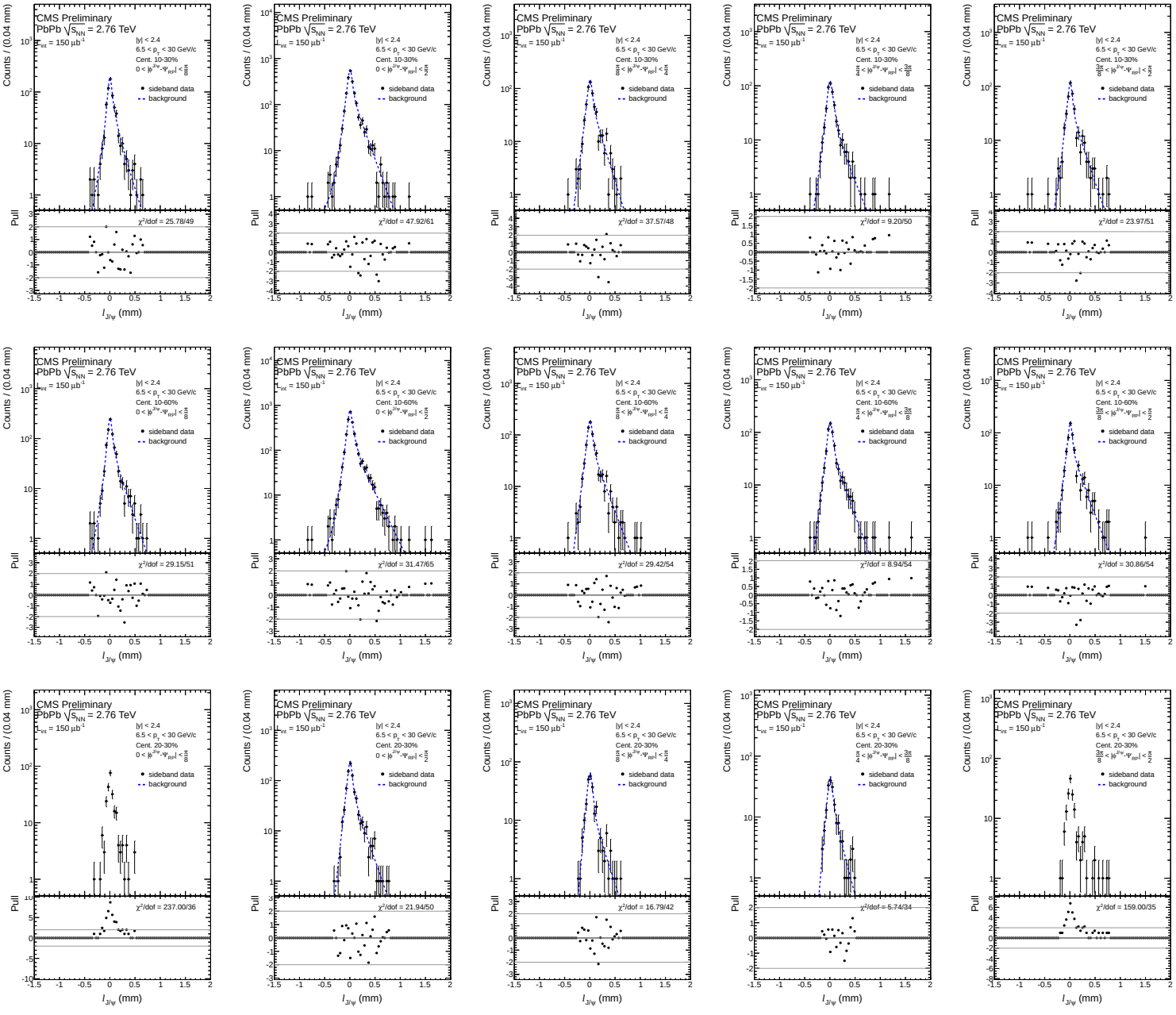
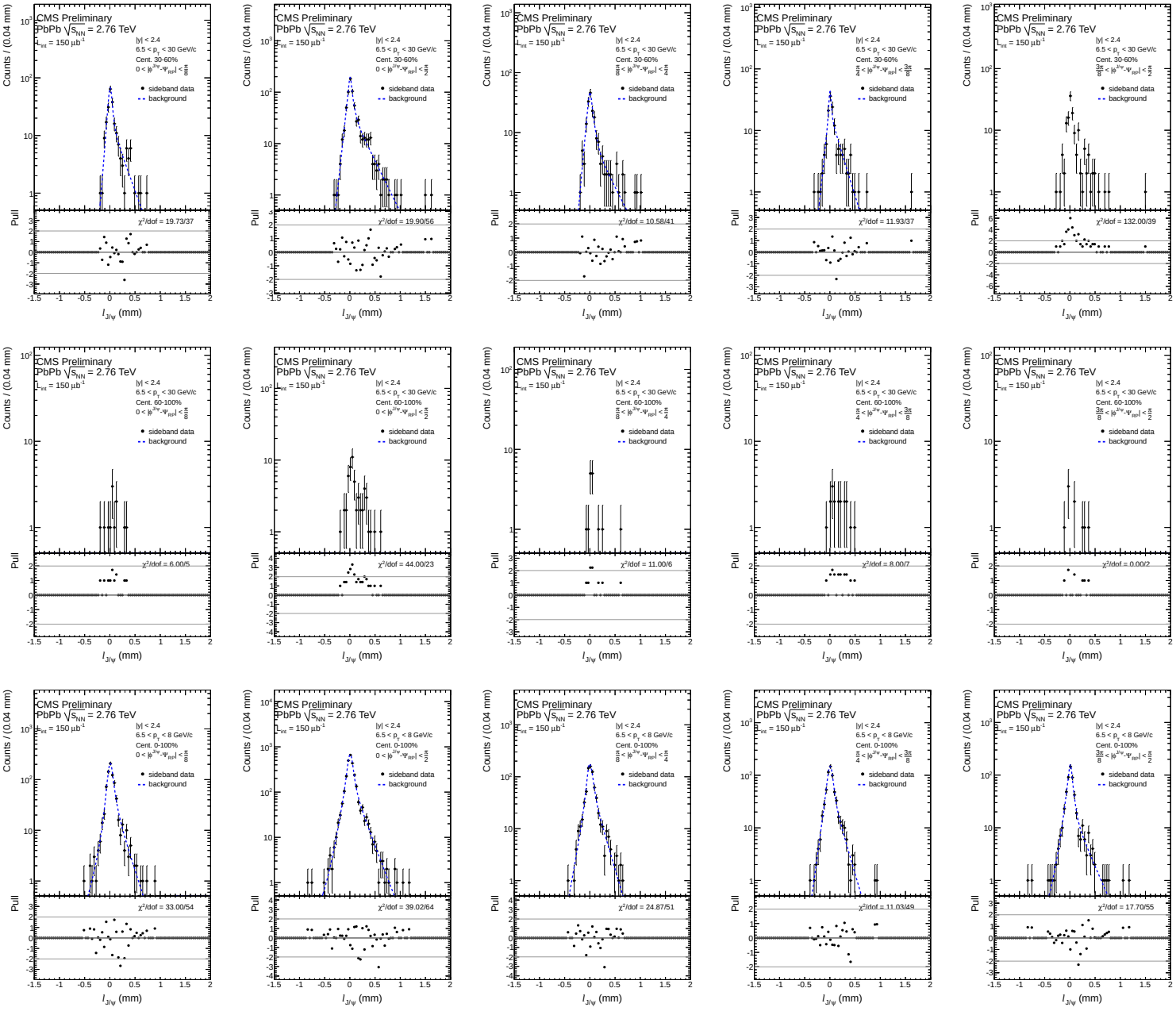
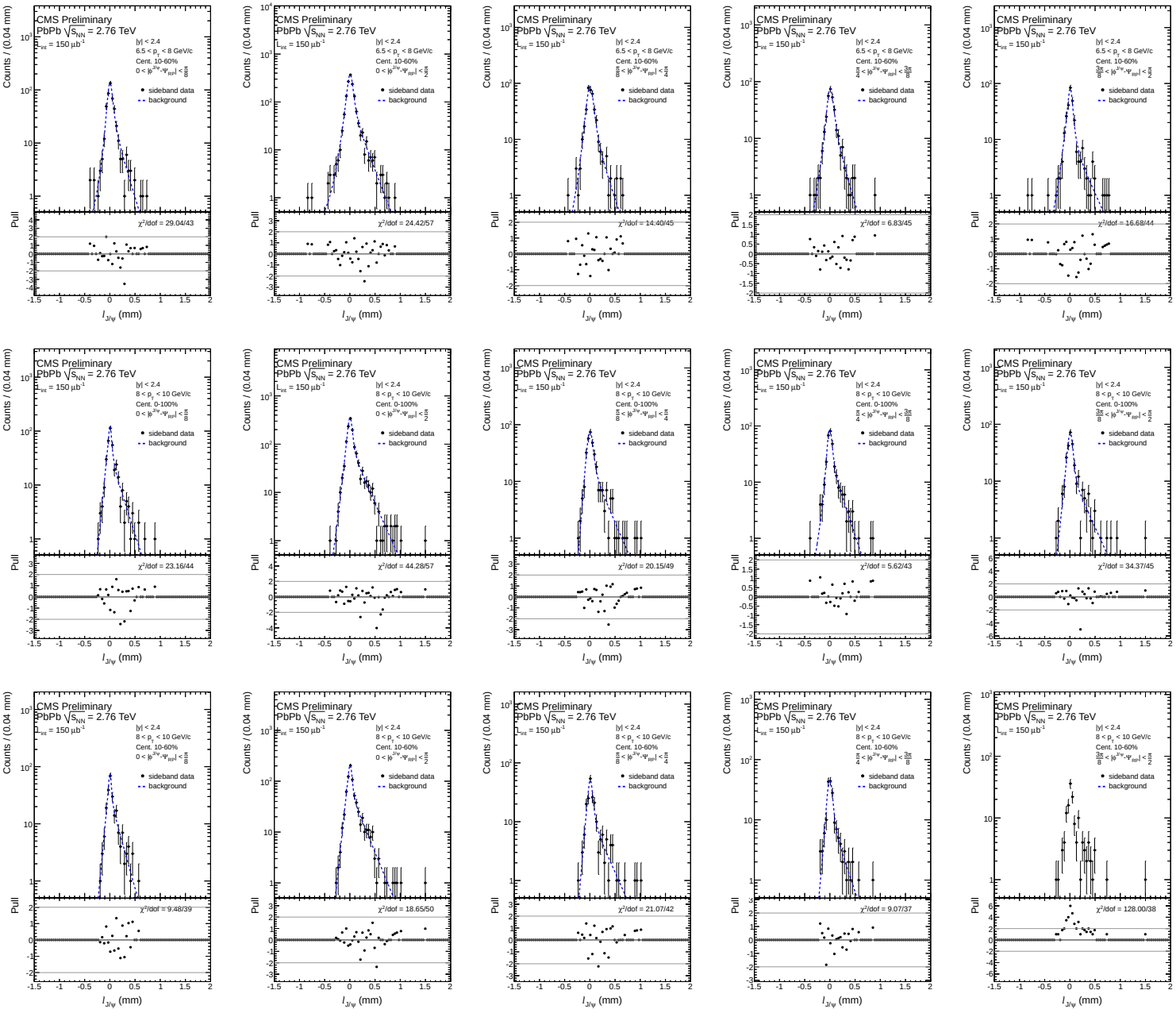

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 1.2
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$0 < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
χ^2/dof = 407.00/46
χ^2/dof = 1745.00/64
χ^2/dof = 484.00/46
χ^2/dof = 14.18/48
χ^2/dof = 414.00/51
Cent. 10-60%
χ^2/dof = 252.00/38
χ^2/dof = 988.00/57
χ^2/dof = 274.00/41
χ^2/dof = 223.00/41
χ^2/dof = 10.41/43
|y| < 2.4
10 < p_T < 13 GeV/c
χ^2/dof = 138.00/34
χ^2/dof = 606.00/54
χ^2/dof = 13.16/34
χ^2/dof = 139.00/40
χ^2/dof = 153.00/37
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)

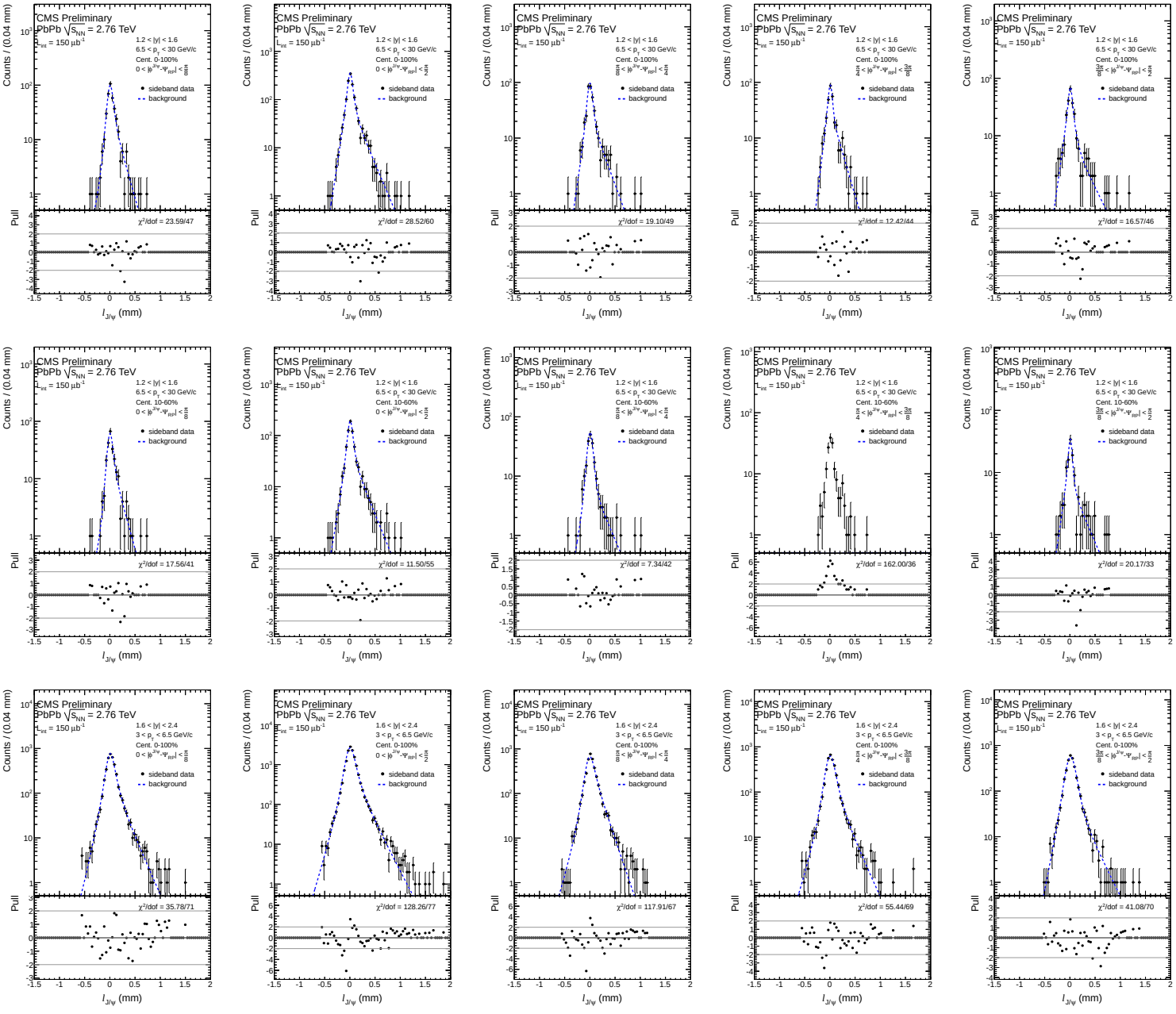

CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
10 < pT < 13 GeV/c
Cent. 10-60%
0 < |ψ2J/ψ-Ψrp| < π/20
sideband data
background
χ2/dof = 87.00/27
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
10 < pT < 13 GeV/c
Cent. 10-60%
0 < |ψ2J/ψ-Ψrp| < π/2
sideband data
background
χ2/dof = 370.00/48
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
10 < pT < 13 GeV/c
Cent. 10-60%
π/20 < |ψ2J/ψ-Ψrp| < π/4
sideband data
background
χ2/dof = 79.00/28
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
10 < pT < 13 GeV/c
Cent. 10-60%
π/4 < |ψ2J/ψ-Ψrp| < 3π/20
sideband data
background
χ2/dof = 68.00/31
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
10 < pT < 13 GeV/c
Cent. 10-60%
3π/20 < |ψ2J/ψ-Ψrp| < π/2
sideband data
background
χ2/dof = 90.00/30
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 0-100%
0 < |ψ2J/ψ-Ψrp| < π/20
sideband data
background
χ2/dof = 6.53/18
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 0-100%
0 < |ψ2J/ψ-Ψrp| < π/2
sideband data
background
χ2/dof = 319.00/42
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 0-100%
π/20 < |ψ2J/ψ-Ψrp| < π/4
sideband data
background
χ2/dof = 5.68/26
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 0-100%
π/4 < |ψ2J/ψ-Ψrp| < 3π/20
sideband data
background
χ2/dof = 72.00/29
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 0-100%
3π/20 < |ψ2J/ψ-Ψrp| < π/2
sideband data
background
χ2/dof = 62.00/20
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 10-60%
0 < |ψ2J/ψ-Ψrp| < π/20
sideband data
background
χ2/dof = 40.00/12
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 10-60%
0 < |ψ2J/ψ-Ψrp| < π/2
sideband data
background
χ2/dof = 11.41/34
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 10-60%
π/20 < |ψ2J/ψ-Ψrp| < π/4
sideband data
background
χ2/dof = 5.90/21
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 10-60%
π/4 < |ψ2J/ψ-Ψrp| < 3π/20
sideband data
background
χ2/dof = 36.00/21
Counts / (0.04 mm)
Pull
lJ/ψ (mm)
CMS Preliminary
PbPb √sNN = 2.76 TeV
Lint = 150 μb-1
|y| < 2.4
13 < pT < 30 GeV/c
Cent. 10-60%
3π/20 < |ψ2J/ψ-Ψrp| < π/2
sideband data
background
χ2/dof = 27.00/12
Counts / (0.04 mm)
Pull
lJ/ψ (mm)

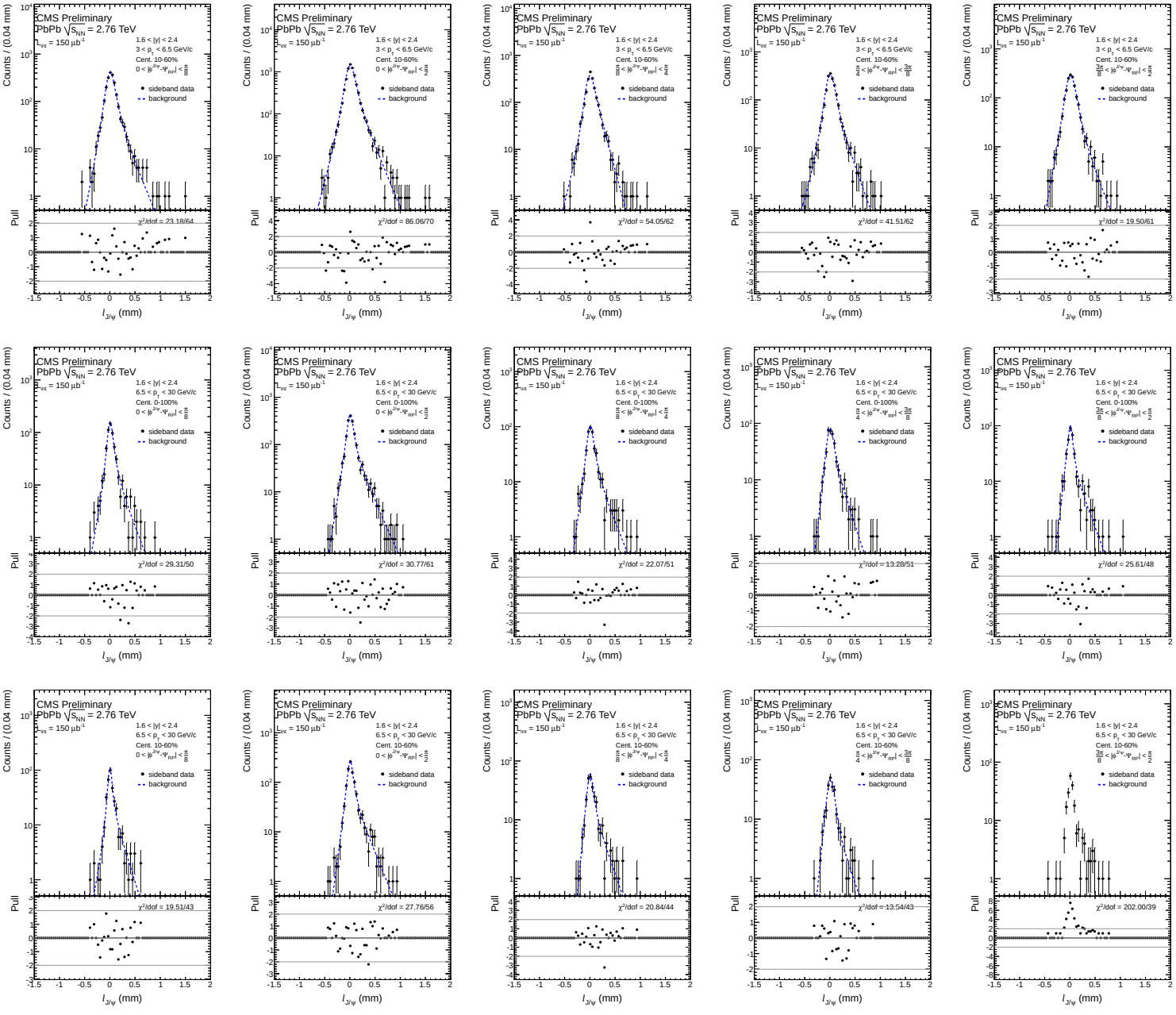

CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$0 < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{100}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 34.11/58
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$0 < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{4}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 51.11/68
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$\frac{\pi}{100} < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 28.62/58
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$\frac{\pi}{4} < |\psi^{J/\psi}-\Psi_{RP}| < \frac{3\pi}{4}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 24.56/59
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$\frac{3\pi}{4} < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 31.29/63
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-10%
$0 < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{100}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 24.55/51
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-10%
$0 < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 39.90/63
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-10%
$\frac{\pi}{100} < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{4}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 27.75/53
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-10%
$\frac{\pi}{4} < |\psi^{J/\psi}-\Psi_{RP}| < \frac{3\pi}{4}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 19.23/49
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-10%
$\frac{3\pi}{4} < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 24.10/53
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-20%
$0 < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{100}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 19.34/47
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-20%
$0 < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 30.77/59
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-20%
$\frac{\pi}{100} < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{4}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 17.42/42
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-20%
$\frac{\pi}{4} < |\psi^{J/\psi}-\Psi_{RP}| < \frac{3\pi}{4}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 8.98/46
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-20%
$\frac{3\pi}{4} < |\psi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 259.00/42
$l_{J/\psi}$ (mm)


CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-30%
Cent. 10-60%
Cent. 20-30%
$0 < |\phi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{20}$
$\frac{\pi}{20} < |\phi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{4}$
$\frac{\pi}{4} < |\phi^{J/\psi}-\Psi_{RP}| < \frac{3\pi}{20}$
$\frac{3\pi}{20} < |\phi^{J/\psi}-\Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
χ^2/dof = 25.78/49
χ^2/dof = 47.92/61
χ^2/dof = 37.57/48
χ^2/dof = 9.20/50
χ^2/dof = 23.97/51
χ^2/dof = 29.15/51
χ^2/dof = 31.47/65
χ^2/dof = 29.42/54
χ^2/dof = 8.94/54
χ^2/dof = 30.86/54
χ^2/dof = 237.00/36
χ^2/dof = 21.94/50
χ^2/dof = 16.79/42
χ^2/dof = 5.74/34
χ^2/dof = 159.00/35


CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 30-60%
$0 < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{20}$
$\frac{\pi}{20} < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{10}$
$\frac{\pi}{4} < |\psi^{J/\psi} - \Psi_{RP}| < \frac{3\pi}{20}$
$\frac{3\pi}{20} < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
Cent. 60-100%
$0 < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{10}$
$\frac{\pi}{10} < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
$0 < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{4}$
$\frac{\pi}{4} < |\psi^{J/\psi} - \Psi_{RP}| < \frac{3\pi}{20}$
$\frac{3\pi}{20} < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
6.5 < p_T < 8 GeV/c
Cent. 0-100%
$0 < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{10}$
$\frac{\pi}{10} < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
$0 < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{4}$
$\frac{\pi}{4} < |\psi^{J/\psi} - \Psi_{RP}| < \frac{3\pi}{20}$
$\frac{3\pi}{20} < |\psi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 19.73/37
χ^2/dof = 19.90/56
χ^2/dof = 10.58/41
χ^2/dof = 11.93/37
χ^2/dof = 132.00/39
χ^2/dof = 6.00/5
χ^2/dof = 44.00/23
χ^2/dof = 11.00/6
χ^2/dof = 8.00/7
χ^2/dof = 0.00/2
χ^2/dof = 33.00/54
χ^2/dof = 39.02/64
χ^2/dof = 24.87/51
χ^2/dof = 11.03/49
χ^2/dof = 17.70/55
$l_{J/\psi}$ (mm)


CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 8 GeV/c
Cent. 10-60%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 29.04/43
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 8 GeV/c
Cent. 10-60%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 24.42/57
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 8 GeV/c
Cent. 10-60%
$\frac{\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{3\pi}{4}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 14.40/45
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 8 GeV/c
Cent. 10-60%
$\frac{3\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 6.83/45
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
6.5 < p_T < 8 GeV/c
Cent. 10-60%
$\frac{3\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 16.68/44
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 0-100%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 23.16/44
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 0-100%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 44.28/57
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 0-100%
$\frac{\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{3\pi}{4}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 20.15/49
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 0-100%
$\frac{3\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 5.62/43
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 0-100%
$\frac{3\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 34.37/45
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 10-60%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 9.48/39
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 10-60%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 18.65/50
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 10-60%
$\frac{\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{3\pi}{4}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 21.07/42
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 10-60%
$\frac{3\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 9.07/37
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
|y| < 2.4
8 < p_T < 10 GeV/c
Cent. 10-60%
$\frac{3\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
Counts / (0.04 mm)
Pull
χ^2/dof = 128.00/38
$l_{J/\psi}$ (mm)


CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{100}$
sideband data
background
χ^2/dof = 23.59/47
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{10}$
sideband data
background
χ^2/dof = 28.52/60
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$\frac{\pi}{8} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{4}$
sideband data
background
χ^2/dof = 19.10/49
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$\frac{\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{3\pi}{8}$
sideband data
background
χ^2/dof = 12.42/44
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$\frac{3\pi}{8} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
χ^2/dof = 16.57/46
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 10-60%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{100}$
sideband data
background
χ^2/dof = 17.56/41
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 10-60%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{10}$
sideband data
background
χ^2/dof = 11.50/55
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 10-60%
$\frac{\pi}{8} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{4}$
sideband data
background
χ^2/dof = 7.34/42
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 10-60%
$\frac{\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{3\pi}{8}$
sideband data
background
χ^2/dof = 162.00/36
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.2 < |y| < 1.6
6.5 < p_T < 30 GeV/c
Cent. 10-60%
$\frac{3\pi}{8} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
χ^2/dof = 20.17/33
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 0-100%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{100}$
sideband data
background
χ^2/dof = 35.78/71
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 0-100%
$0 < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{10}$
sideband data
background
χ^2/dof = 128.26/77
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 0-100%
$\frac{\pi}{8} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{4}$
sideband data
background
χ^2/dof = 117.91/67
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 0-100%
$\frac{\pi}{4} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{3\pi}{8}$
sideband data
background
χ^2/dof = 55.44/69
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 0-100%
$\frac{3\pi}{8} < |\phi^{J/\psi} - \Psi_{RP}| < \frac{\pi}{2}$
sideband data
background
χ^2/dof = 41.08/70
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)


CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 10-60%
0 < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{20}$
sideband data
background
χ^2/dof = 23.18/64
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 10-60%
0 < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{10}$
sideband data
background
χ^2/dof = 86.06/70
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 10-60%
0 < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{4}$
sideband data
background
χ^2/dof = 54.05/62
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 10-60%
$\frac{\pi}{4}$ < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{3\pi}{20}$
sideband data
background
χ^2/dof = 41.51/62
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
3 < p_T < 6.5 GeV/c
Cent. 10-60%
$\frac{3\pi}{20}$ < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{2}$
sideband data
background
χ^2/dof = 19.50/61
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
0 < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{20}$
sideband data
background
χ^2/dof = 29.31/50
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
0 < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{10}$
sideband data
background
χ^2/dof = 30.77/61
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
0 < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{4}$
sideband data
background
χ^2/dof = 22.07/51
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$\frac{\pi}{4}$ < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{3\pi}{20}$
sideband data
background
χ^2/dof = 13.28/51
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 0-100%
$\frac{3\pi}{20}$ < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{2}$
sideband data
background
χ^2/dof = 25.61/48
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-60%
0 < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{20}$
sideband data
background
χ^2/dof = 19.51/43
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-60%
0 < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{10}$
sideband data
background
χ^2/dof = 27.76/56
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-60%
0 < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{4}$
sideband data
background
χ^2/dof = 20.84/44
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-60%
$\frac{\pi}{4}$ < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{3\pi}{20}$
sideband data
background
χ^2/dof = 13.54/43
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)
CMS Preliminary
PbPb $\sqrt{s_{NN}}$ = 2.76 TeV
L_{int} = 150 μb^{-1}
1.6 < |y| < 2.4
6.5 < p_T < 30 GeV/c
Cent. 10-60%
$\frac{3\pi}{20}$ < $|\phi^{J/\psi}-\Psi_{RP}|$ < $\frac{\pi}{2}$
sideband data
background
χ^2/dof = 202.00/39
Counts / (0.04 mm)
Pull
$l_{J/\psi}$ (mm)