

Events / (0.025 GeV/c^2)

2015 HI Soft Muon ID
HLT_HIL1DoubleMu0_v1

● Data
— Total fit
--- Background

CMS
Preliminary

$$N_{\text{bkg}}^{\text{PbPb}} = 26926 \pm 220$$

$$N_{J/\psi}^{\text{PbPb}} = 5050 \pm 164$$

$$\alpha_{J/\psi}^{\text{PbPb}} = 2.1000 \pm 0.0000$$

$$f_{J/\psi}^{\text{PbPb}} = 0.7474 \pm 0.1585$$

$$\lambda_1^{\text{PbPb}} = 0.0788 \pm 0.0108$$

$$m_{J/\psi}^{\text{PbPb}} = 3.08775 \pm 0.00159 \text{ GeV}/c^2$$

$$n_{J/\psi}^{\text{PbPb}} = 1.3500 \pm 0.0000$$

$$(\sigma_2/\sigma_1)_{J/\psi}^{\text{PbPb}} = 1.680 \pm 0.000$$

$$\sigma_1^{\text{PbPb}} = 49.78 \pm 3.75 \text{ MeV}/c^2$$

$$1.8 < |y^{\mu\mu}| < 2.4$$

$$3 < p_T^{\mu\mu} < 4.5 \text{ GeV}/c$$

Cent. 0-100%

 10^3

Pull

 $\chi^2/\text{ndof} = 21 / 30$
 $m_{\mu^+\mu^-} \text{ (GeV}/c^2\text{)}$
