

Events per 0.025 GeV

Pb-Pb, $\sqrt{s_{NN}} = 5.02$ TeV

$12 < p_T < 20$ GeV/c

centrality 10-20%

$2.5 < y < 3$

fitFuncCB2VWG_pp13_2.20_4.50

$N_{J/\psi} = 318 \pm 29$

Mass = 3.1054 ± 0.0067

$\sigma_{J/\psi} = 0.0682 \pm 0.0071$

$N_{\psi'} = 0 \pm 0$

$\chi^2/nDoF = 1.10$

$S/B = 1.40$

$S/\sqrt{S+B} = 2.08$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99

Background Normalization factor: 279.931 ± 275.549

a1: 2.156 ± 0.110

a2: -0.001 ± 0.002

a3: 0.896 ± 0.035

a4: -0.053 ± 0.020

- +— Raw events
- +— Fitted J/ψ events
- +— Fitted $\psi(2S)$ events
- - + - - Fitted background events
- +— Fitted J/ψ $\psi(2S)$ and background events

$m_{\mu\mu}$ (GeV/c²)

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Pb-Pb, $\sqrt{s_{NN}} = 5.02$ TeV

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fitFuncCB2VWG_geant3_2.20_4.50

$N_{J/\psi} = 340 \pm 32$

Mass = 3.1060 ± 0.0068

$\sigma_{J/\psi} = 0.0699 \pm 0.0079$

$N_{\psi'} = 0 \pm 0$

$\chi^2/nDoF = 1.11$

$S/B_{\pm 3\sigma} = 1.47$

$S/\sqrt{S+B} = 2.14$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.99

p1: 3.34

t2: 2.25

p1: 2.90

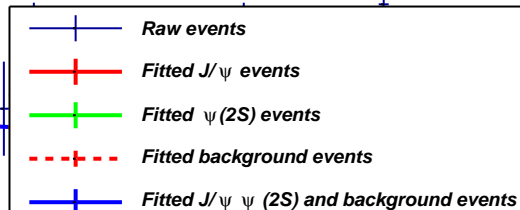
Background Normalization factor: 13.995 ± 1.051

a1: 2.388 ± 0.158

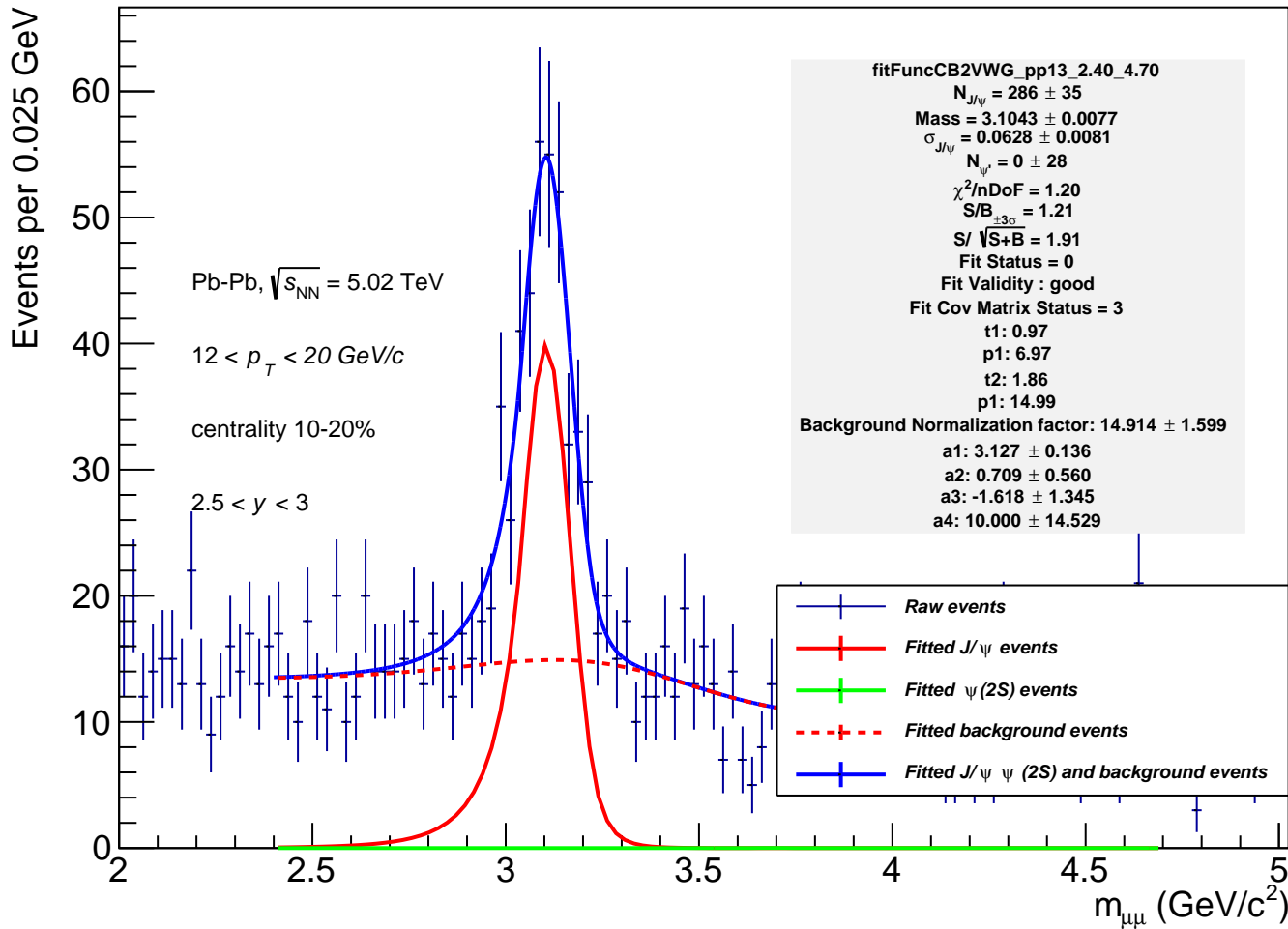
a2: 0.525 ± 0.466

a3: 3.500 ± 1.791

a4: -1.054 ± 2.200



$m_{\mu\mu}$ (GeV/c²)



Events per 0.025 GeV

Pb-Pb, $\sqrt{s_{NN}} = 5.02$ TeV

$12 < p_T < 20$ GeV/c

centrality 10-20%

$2.5 < y < 3$

fitFuncCB2VWG_geant3_2.40_4.70

$N_{J/\psi} = 295 \pm 34$

Mass = 3.1046 ± 0.0073

$\sigma_{J/\psi} = 0.0621 \pm 0.0079$

$N_{\psi'} = 1 \pm 19$

$\chi^2/nDoF = 1.21$

$S/B_{\pm 3\sigma} = 1.21$

$S/\sqrt{S+B} = 1.91$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.98

p1: 3.47

t2: 2.24

p1: 2.91

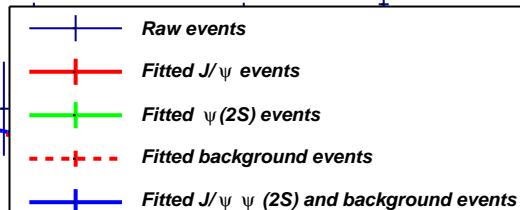
Background Normalization factor: 14.980 ± 1.457

a1: 3.165 ± 0.105

a2: 0.595 ± 0.330

a3: -1.194 ± 0.845

a4: 10.000 ± 12.980



$m_{\mu\mu}$ (GeV/c²)

