

Events per 0.025 GeV

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

$7 < p_T < 8$ GeV/c

centrality 40-50%

$2.5 < y < 4$

fitFuncCB2VWG_pp13_2.20_4.50

$N_{J/\psi} = 794 \pm 39$

Mass = 3.0986 ± 0.0033

$\sigma_{J/\psi} = 0.0604 \pm 0.0035$

$N_{\psi} = 32 \pm 15$

$\chi^2/nDoF = 1.13$

$S/B_{\pm 3\sigma} = 3.08$

$S/\sqrt{S+B} = 3.75$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99

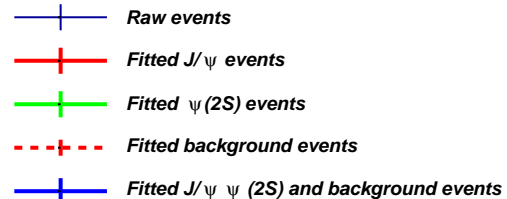
Background Normalization factor: 21.034 ± 1.109

a1: 1.775 ± 0.271

a2: 4.779 ± 1.398

a3: -5.785 ± 1.124

a4: 2.675 ± 0.895



$m_{\mu\mu}$ (GeV/c²)

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fitFuncCB2VWG_geant3_2.20_4.50

$N_{J/\psi} = 866 \pm 43$

Mass = 3.0962 ± 0.0034

$\sigma_{J/\psi} = 0.0659 \pm 0.0039$

$N_{\psi} = 30 \pm 15$

$\chi^2/nDoF = 1.14$

$S/B_{\pm 3\sigma} = 3.56$

$S/\sqrt{S+B} = 3.94$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 1.15

p1: 3.25

t2: 1.98

p1: 3.40

Background Normalization factor: 21.770 ± 1.772

a1: 2.342 ± 0.059

a2: 0.321 ± 0.178

a3: 1.596 ± 0.546

a4: -0.258 ± 0.553

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

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fitFuncCB2VWG_pp13_2.40_4.70

$N_{J/\psi} = 828 \pm 0$

Mass = 3.0978 ± 0.0034

$\sigma_{J/\psi} = 0.0631 \pm 0.0035$

$N_{\psi'} = 25 \pm 0$

$\chi^2/nDoF = 1.18$

$S/B = 3.39$

$S/ \sqrt{S+B} = 3.87$

Fit Status = 4

Fit Validity : bad

Fit Cov Matrix Status = 2

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99






Background Normalization factor: 70.466 ± 19.998

a1: 0.000 ± 0.000

a2: 0.774 ± 0.200

a3: 0.000 ± 0.000

a4: -0.000 ± 0.000

-  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)

Events per 0.025 GeV

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

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centrality 40-50%

$2.5 < y < 4$

fitFuncCB2VWG_geant3_2.40_4.70

$N_{J/\psi} = 855 \pm 42$

Mass = 3.0964 ± 0.0032

$\sigma_{J/\psi} = 0.0652 \pm 0.0039$

$N_{\psi} = 28 \pm 16$

$\chi^2/nDoF = 1.17$

$S/B_{\pm 3\sigma} = 3.47$

$S/\sqrt{S+B} = 3.91$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 1.12

p1: 3.45

t2: 1.98

p1: 3.40

Background Normalization factor: 74.842 ± 3.728

a1: 1.305 ± 0.243

a2: 0.166 ± 0.061

a3: 0.662 ± 0.009

a4: -0.046 ± 0.025

—+— 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)

