

Events per 0.025 GeV

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

$10 < p_T < 11$ GeV/c

centrality 60-90%

$2.5 < y < 4$

fitFuncCB2VWG_pp13_2.20_4.50

$N_{J/\psi} = 75 \pm 17$

Mass = 3.1110 ± 0.0098

$\sigma_{J/\psi} = 0.0583 \pm 0.0126$

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

$\chi^2/nDoF = 0.58$

$S/B_{\pm 3\sigma} = 11.85$

$S/\sqrt{S+B} = 1.28$

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: 1.050 ± 0.314

a1: 3.363 ± 0.132

a2: 0.091 ± 0.104

a3: -0.311 ± 0.815

a4: 10.000 ± 2.986

-  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

$N_{J/\psi} = 76 \pm 10$

Mass = 3.1116 ± 0.0090

$\sigma_{J/\psi} = 0.0593 \pm 0.0083$

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

$\chi^2/nDoF = 0.56$

$S/B_{\pm 3\sigma} = 9.90$

$S/\sqrt{S+B} = 1.26$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 1.11

p1: 4.30

t2: 1.82

p1: 2.98

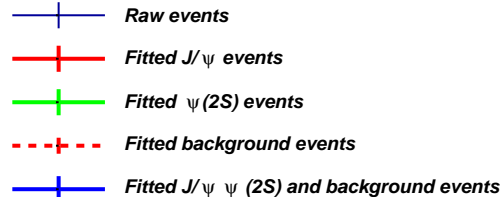
Background Normalization factor: 1.631 ± 1.706

a1: 4.269 ± 0.016

a2: -0.013 ± 0.017

a3: -2.231 ± 0.738

a4: 2.156 ± 2.672



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fitFuncCB2VWG_pp13_2.40_4.70

$N_{J/\psi} = 76 \pm 10$

Mass = 3.1134 ± 0.0093

$\sigma_{J/\psi} = 0.0611 \pm 0.0089$

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

$\chi^2/nDoF = 0.56$

$S/B_{\pm 3\sigma} = 12.09$

$S/\sqrt{S+B} = 1.28$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99

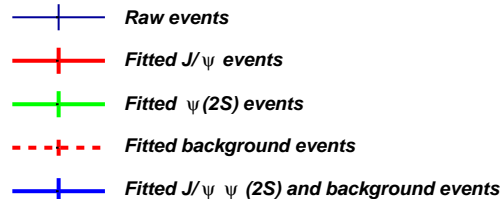
Background Normalization factor: 1.284 ± 1.018

a1: 2.450 ± 0.040

a2: 0.027 ± 0.055

a3: 1.511 ± 0.659

a4: -0.013 ± 0.799



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$2.5 < y < 4$

fitFuncCB2VWG_geant3_2.40_4.70

$N_{J/\psi} = 76 \pm 10$

Mass = 3.1117 ± 0.0090

$\sigma_{J/\psi} = 0.0597 \pm 0.0085$

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

$\chi^2/nDoF = 0.54$

$S/B_{\pm 3\sigma} = 11.07$

$S/ \sqrt{S+B} = 1.27$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 1.08

p1: 4.75

t2: 1.81

p1: 3.00

Background Normalization factor: 54.658 ± 53.348

a1: 2.625 ± 0.001

a2: 0.000 ± 0.001

a3: 0.855 ± 0.381

a4: -0.051 ± 0.095

- +— 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)

