

Events per 0.025 GeV

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

$15 < p_T < 20$ GeV/c

centrality 40-50%

$2.5 < y < 4$

fitFuncCB2VWG_pp13_2.20_4.50

$N_{J/\psi} = 57 \pm 10$

Mass = 3.0974 ± 0.0203

$\sigma_{J/\psi} = 0.1000 \pm 0.0450$

$N_{\psi'} = 1 \pm 4$

$\chi^2/nDoF = 0.65$

$S/B_{\pm 3\sigma} = 3.07$

$S/\sqrt{S+B} = 1.00$

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: 1.834 ± 1.442

a1: 2.231 ± 0.045

a2: 0.033 ± 0.093

a3: 1.807 ± 0.801

a4: -0.668 ± 0.641

—+— 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

$N_{J/\psi} = 56 \pm 10$

Mass = 3.0906 ± 0.0206

$\sigma_{J/\psi} = 0.1000 \pm 0.0408$

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

$\chi^2/nDoF = 0.64$

$S/B_{\pm 3\sigma} = 2.83$

$S/\sqrt{S+B} = 0.98$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 1.40

p1: 3.08

t2: 2.08

p1: 1.52

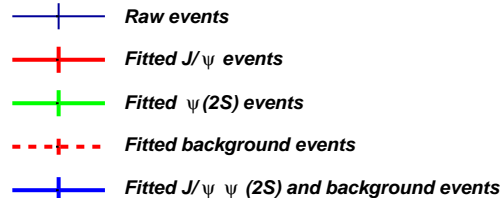
Background Normalization factor: 1.808 ± 1.585

a1: 2.229 ± 0.046

a2: 0.031 ± 0.104

a3: 1.935 ± 1.195

a4: -0.821 ± 1.141



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fitFuncCB2VWG_pp13_2.40_4.70

$N_{J/\psi} = 47 \pm 26$

Mass = 3.0977 ± 0.0218

$\sigma_{J/\psi} = 0.0893 \pm 0.0338$

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

$\chi^2/nDoF = 0.56$

$S/B_{\pm 3\sigma} = 1.88$

$S/\sqrt{S+B} = 0.85$

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: 3.264 ± 3.023

a1: 2.896 ± 0.013

a2: 0.010 ± 0.013

a3: 1.884 ± 0.703

a4: -1.064 ± 0.912

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centrality 40-50%

$2.5 < y < 4$

fitFuncCB2VWG_geant3_2.40_4.70

$N_{J/\psi} = 59 \pm 10$

Mass = 3.0915 ± 0.0194

$\sigma_{J/\psi} = 0.1000 \pm 0.0113$

$N_{\psi'} = 1 \pm 4$

$\chi^2/nDoF = 0.55$

$S/B_{\pm 3\sigma} = 3.64$

$S/\sqrt{S+B} = 1.04$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 1.39

p1: 3.13

t2: 2.10

p1: 1.47

Background Normalization factor: 9.049 ± 26.973

a1: 2.422 ± 0.006

a2: 0.003 ± 0.008

a3: 1.080 ± 0.391

a4: -0.157 ± 0.170

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

$m_{\mu\mu}$ (GeV/c²)

