

Events per 0.025 GeV

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

$10 < p_T < 11$ GeV/c

centrality 20-30%

$2.5 < y < 4$

fitFuncCB2VWG_pp13_2.20_4.50

$N_{J/\psi} = 357 \pm 33$

Mass = 3.1122 ± 0.0062

$\sigma_{J/\psi} = 0.0690 \pm 0.0071$

$N_{\psi} = 18 \pm 16$

$\chi^2/nDoF = 0.89$

S/B $_{\pm 3\sigma} = 1.80$

S/ $\sqrt{S+B} = 2.32$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99

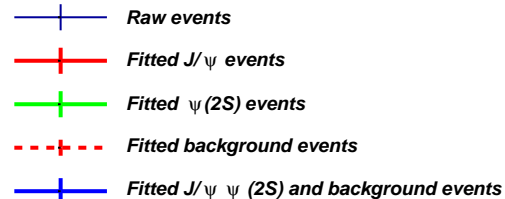
Background Normalization factor: 21.749 ± 9.261

a1: 0.388 ± 0.423

a2: 2.241 ± 1.649

a3: -0.121 ± 0.232

a4: 0.020 ± 0.037



$m_{\mu\mu}$ (GeV/c²)

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fitFuncCB2VWG_geant3_2.20_4.50

$N_{J/\psi} = 368 \pm 33$

Mass = 3.1104 ± 0.0061

$\sigma_{J/\psi} = 0.0708 \pm 0.0072$

$N_{\psi} = 20 \pm 16$

$\chi^2/nDoF = 0.89$

$S/B_{\pm 3\sigma} = 1.82$

$S/\sqrt{S+B} = 2.34$

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: 20.061 ± 5.778

a1: 0.510 ± 0.366

a2: 2.876 ± 1.822

a3: -0.381 ± 0.334

a4: 0.055 ± 0.065

-  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

$N_{J/\psi} = 347 \pm 30$

Mass = 3.1122 ± 0.0063

$\sigma_{J/\psi} = 0.0672 \pm 0.0066$

$N_{\psi'} = 13 \pm 14$

$\chi^2/nDoF = 1.03$

$S/B_{\pm 3\sigma} = 1.71$

$S/\sqrt{S+B} = 2.26$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 2

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99

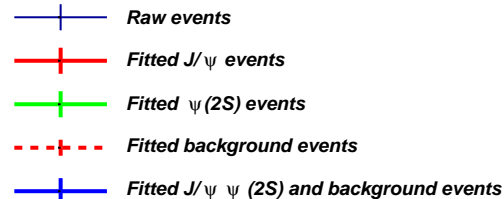
Background Normalization factor: 326.382 ± 113.902

a1: 2.359 ± 0.095

a2: -0.001 ± 0.002

a3: 0.941 ± 0.052

a4: -0.074 ± 0.024



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fitFuncCB2VWG_geant3_2.40_4.70

$N_{J/\psi} = 361 \pm 32$

Mass = 3.1107 ± 0.0062

$\sigma_{J/\psi} = 0.0693 \pm 0.0069$

$N_{\psi} = 17 \pm 16$

$\chi^2/nDoF = 1.03$

$S/B_{\pm 3\sigma} = 1.78$

$S/\sqrt{S+B} = 2.31$

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: 13.036 ± 1.130

a1: 2.569 ± 0.120

a2: 0.417 ± 0.307

a3: 2.979 ± 1.373

a4: -0.965 ± 1.795

- +— 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)

