

Events per 0.025 GeV

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

$11 < p_T < 12$  GeV/c

centrality 60-90%

$2.5 < y < 4$

fitFuncCB2VWG\_pp13\_2.20\_4.50

$N_{J/\psi} = 51 \pm 8$

Mass =  $3.0958 \pm 0.0135$

$\sigma_{J/\psi} = 0.0705 \pm 0.0114$

$N_{\psi^*} = 3 \pm 3$

$\chi^2/nDoF = 0.42$

$S/B_{\pm 3\sigma} = 6.75$

$S/\sqrt{S+B} = 1.02$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99

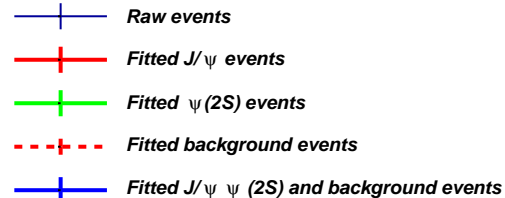
Background Normalization factor:  $0.712 \pm 0.518$

a1:  $9.922 \pm 19.083$

a2:  $-11.056 \pm 24.379$

a3:  $-19.125 \pm 21.349$

a4:  $9.659 \pm 10.240$



$m_{\mu\mu}$  (GeV/c<sup>2</sup>)

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fitFuncCB2VWG\_geant3\_2.20\_4.50

$N_{J/\psi} = 53 \pm 9$

Mass =  $3.0941 \pm 0.0136$

$\sigma_{J/\psi} = 0.0739 \pm 0.0121$

$N_{\psi'} = 3 \pm 3$

$\chi^2/nDoF = 0.41$

$S/B_{\pm 3\sigma} = 6.95$

$S/\sqrt{S+B} = 1.03$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 1.15

p1: 3.84

t2: 1.98

p1: 2.28

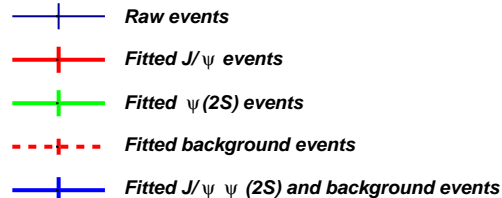
Background Normalization factor:  $0.593 \pm 0.410$

a1:  $1.104 \pm 0.730$

a2:  $0.682 \pm 3.388$

a3:  $1.692 \pm 1.372$

a4:  $-0.463 \pm 0.454$



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fitFuncCB2VWG\_pp13\_2.40\_4.70

$N_{J/\psi} = 50 \pm 8$

Mass =  $3.0971 \pm 0.0136$

$\sigma_{J/\psi} = 0.0681 \pm 0.0114$

$N_{\psi'} = 3 \pm 3$

$\chi^2/nDoF = 0.38$

$S/B_{\pm 3\sigma} = 5.80$

$S/\sqrt{S+B} = 0.99$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.97

p1: 6.97

t2: 1.86

p1: 14.99

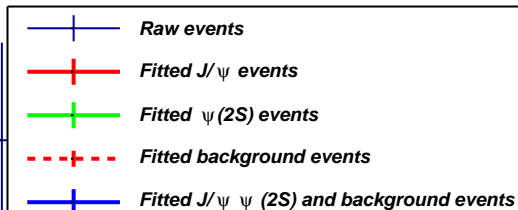
Background Normalization factor:  $0.867 \pm 0.724$

a1:  $2.709 \pm 0.017$

a2:  $0.018 \pm 0.038$

a3:  $2.779 \pm 2.052$

a4:  $-2.637 \pm 2.952$



$m_{\mu\mu}$  (GeV/c<sup>2</sup>)

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fitFuncCB2VWG\_geant3\_2.40\_4.70

$N_{J/\psi} = 52 \pm 10$

Mass =  $3.0955 \pm 0.0134$

$\sigma_{J/\psi} = 0.0719 \pm 0.0128$

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

$\chi^2/nDoF = 0.37$

$S/B_{\pm 3\sigma} = 6.51$

$S/\sqrt{S+B} = 1.02$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 1.13

p1: 4.18

t2: 1.97

p1: 2.30

Background Normalization factor:  $1.522 \pm 4.697$

a1:  $2.704 \pm 0.014$

a2:  $0.006 \pm 0.028$

a3:  $1.822 \pm 2.773$

a4:  $-1.197 \pm 3.797$

