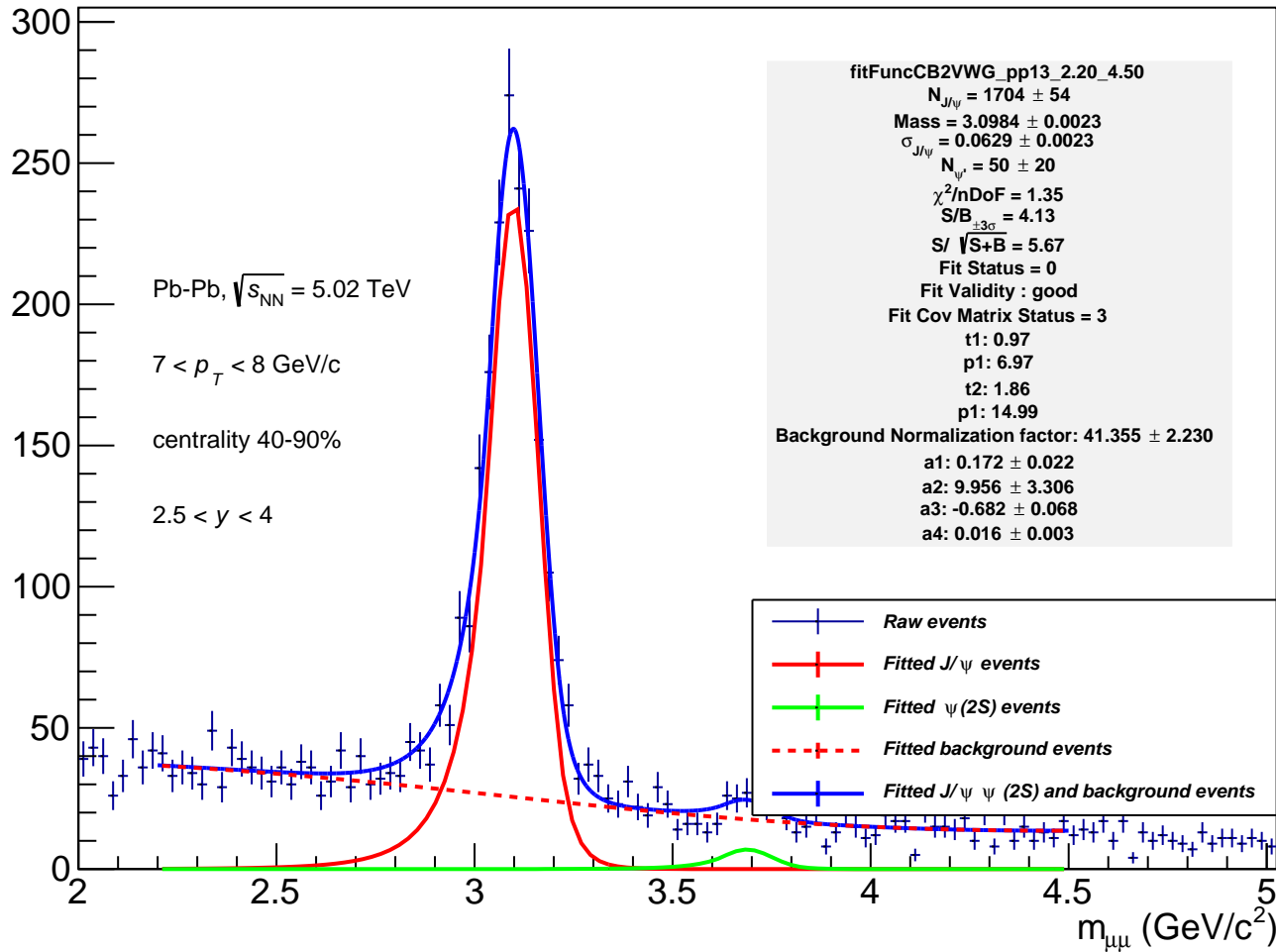
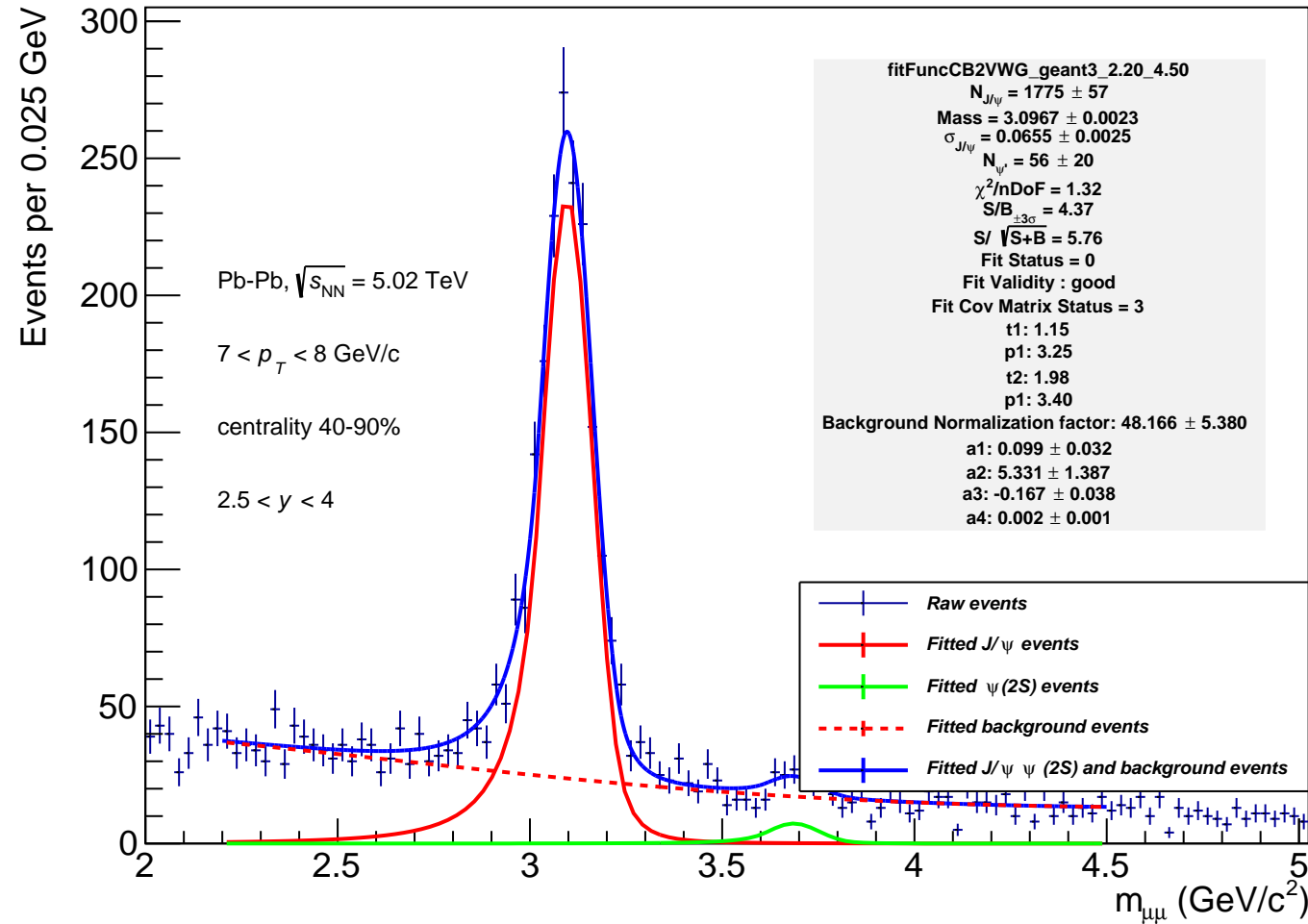
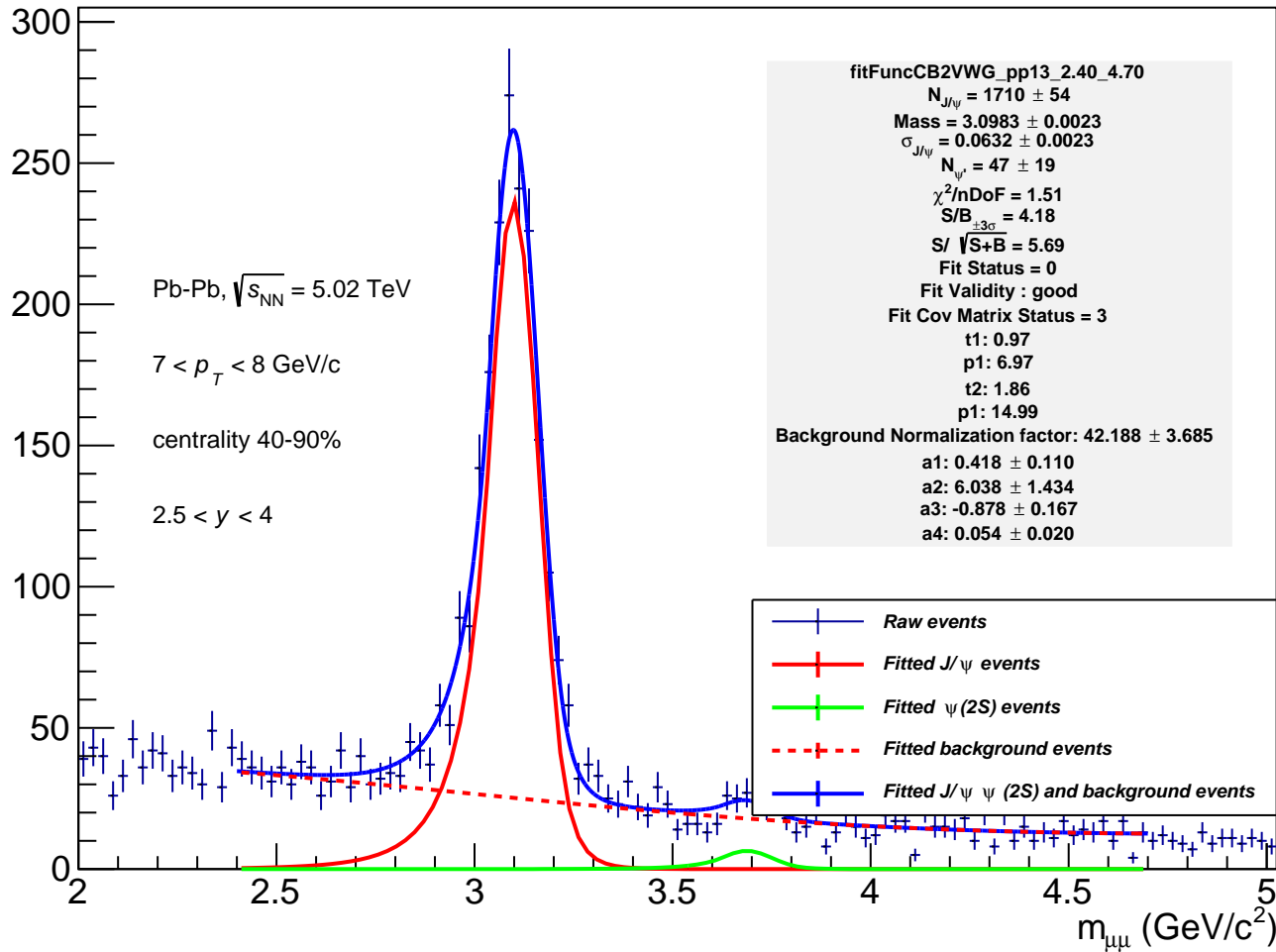


Events per 0.025 GeV

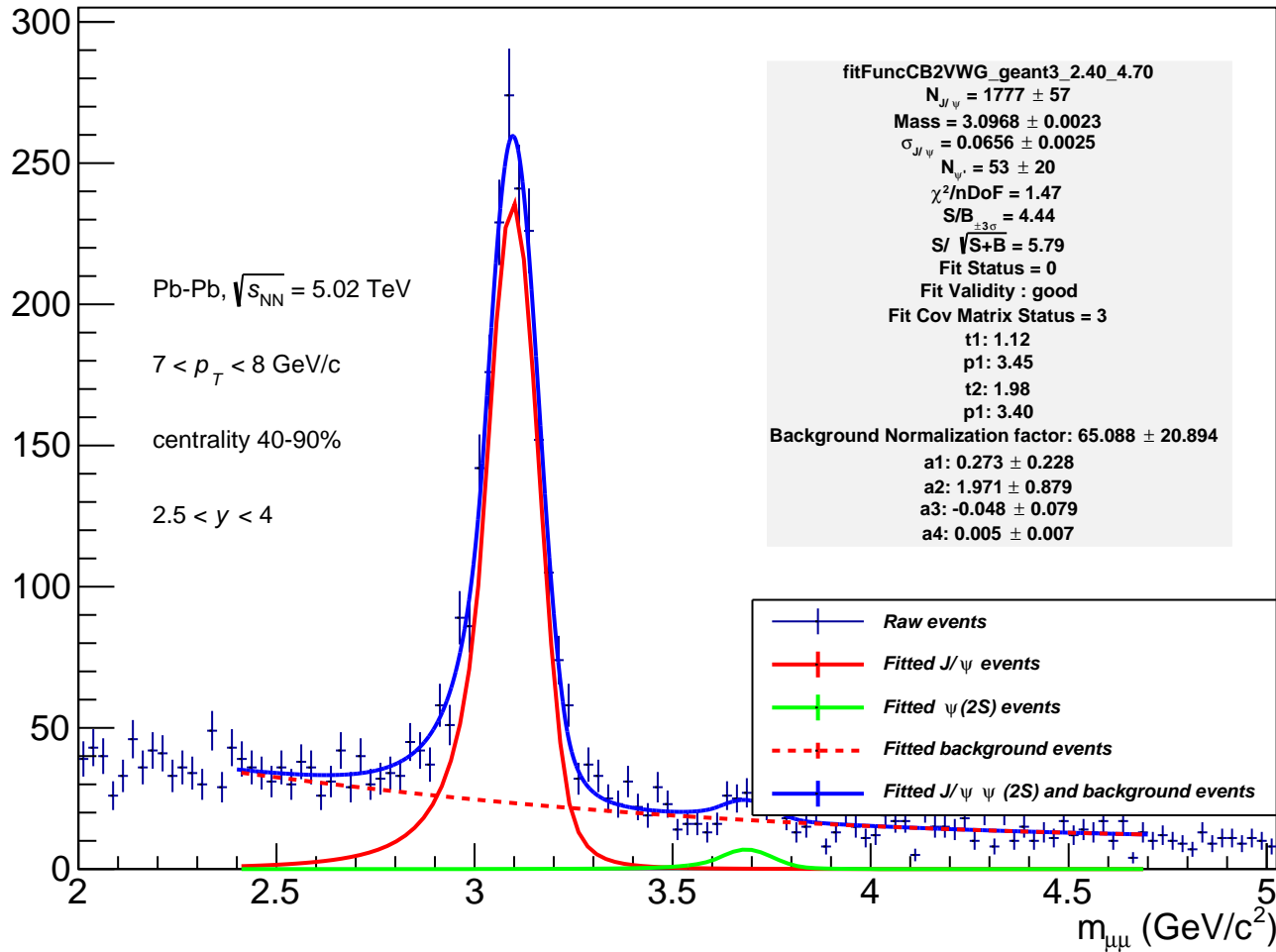




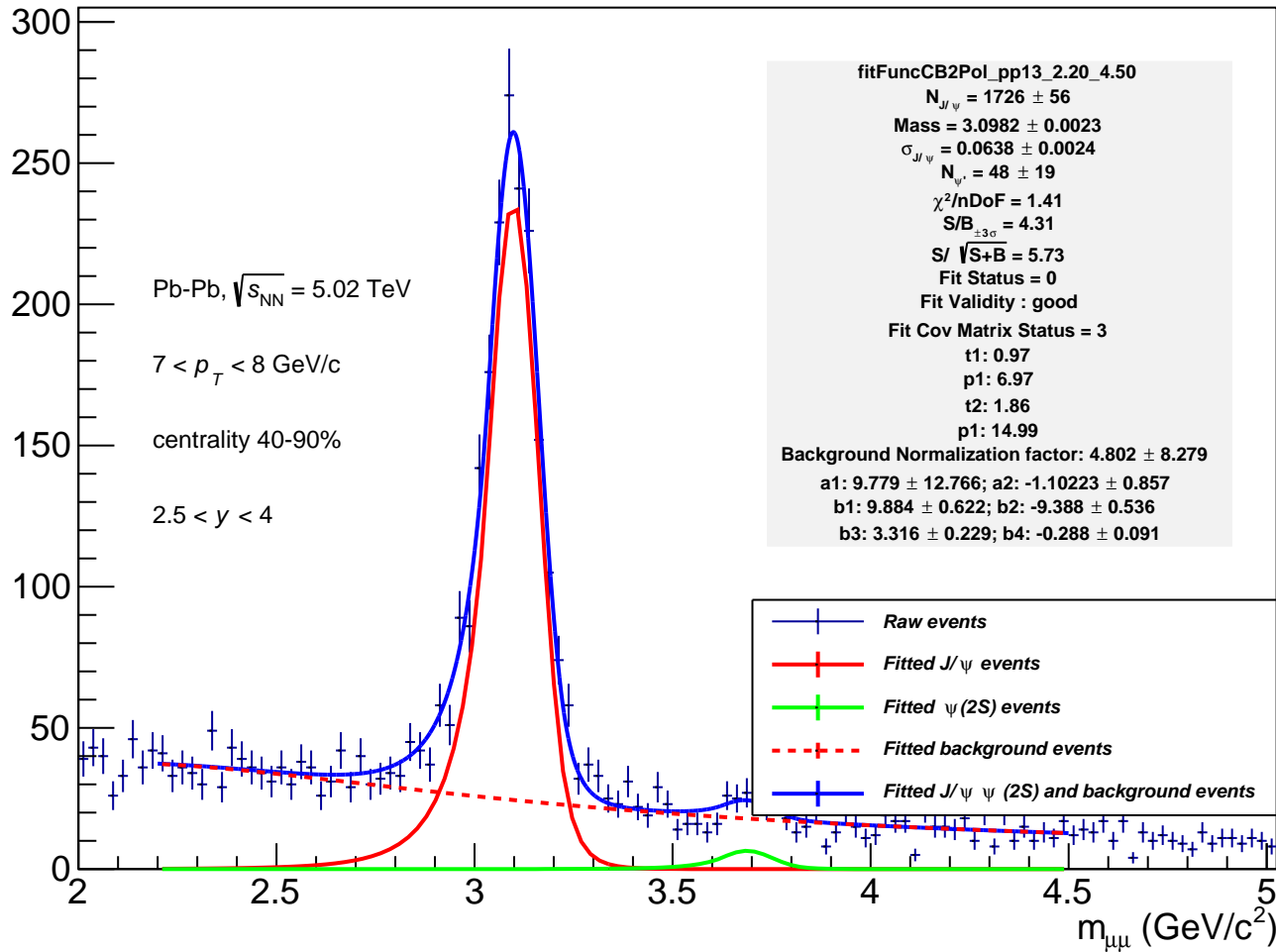
Events per 0.025 GeV



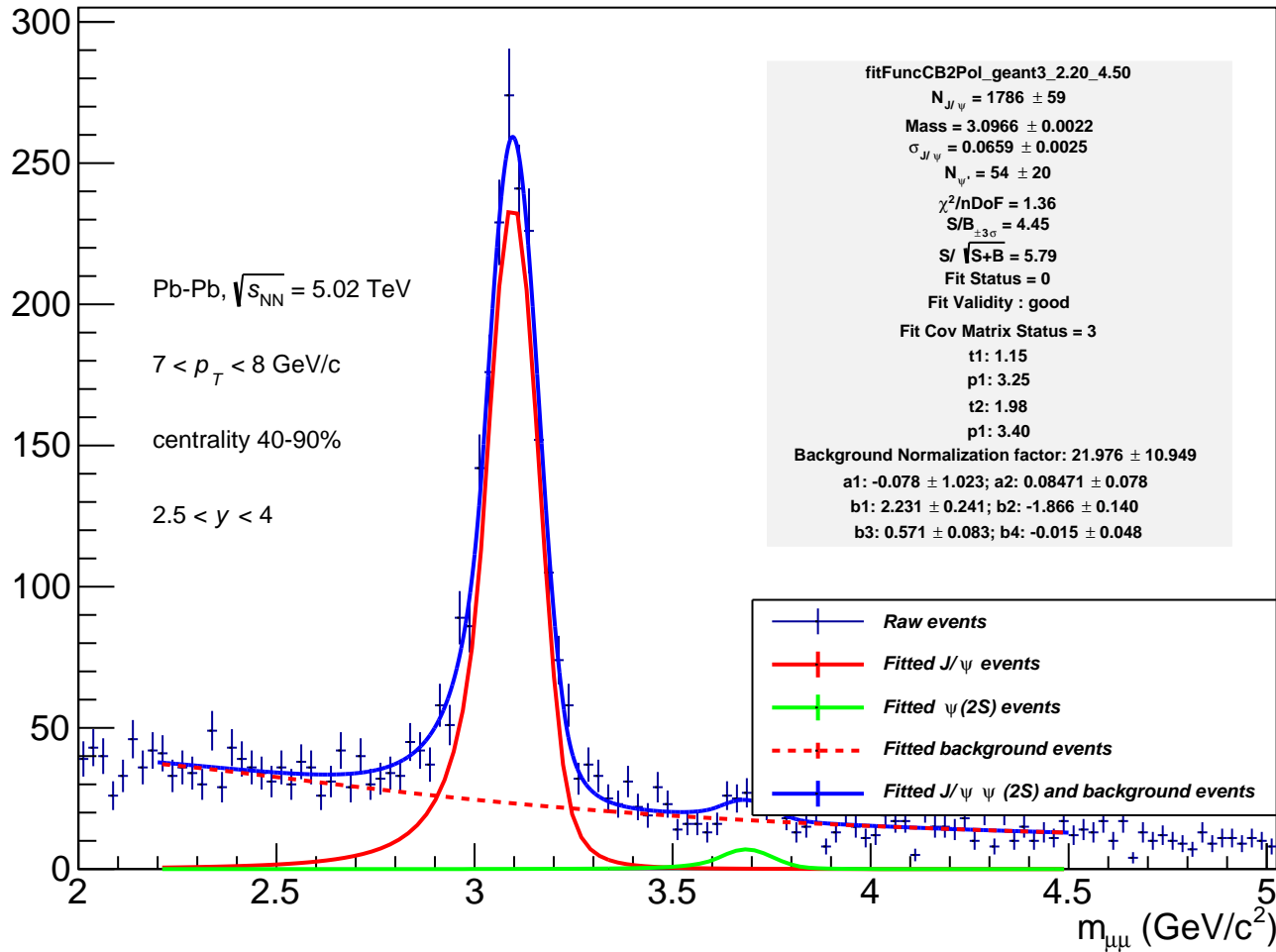
Events per 0.025 GeV



Events per 0.025 GeV



Events per 0.025 GeV



Events per 0.025 GeV

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

$7 < p_T < 8$ GeV/c

centrality 40-90%

$2.5 < y < 4$

fitFuncCB2Pol_pp13_2.40_4.70
 $N_{J/\psi} = 1694 \pm 52$
Mass = 3.0973 ± 0.0022
 $\sigma_{J/\psi} = 0.0626 \pm 0.0022$
 $N_{\psi'} = 108 \pm 20$
 $\chi^2/nDoF = 1.32$
 $S/B_{\pm 3\sigma} = 4.05$
 $S/\sqrt{S+B} = 5.64$
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: 289.043 ± 9.418
a1: -0.564 ± 0.000 ; a2: 0.07943 ± 0.000
b1: -5.002 ± 0.016 ; b2: 8.411 ± 0.004
b3: -3.567 ± 0.001 ; b4: 0.449 ± 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

$7 < p_T < 8$ GeV/c

centrality 40-90%

$2.5 < y < 4$

fitFuncCB2Pol_geant3_2.40_4.70

$N_{J/\psi} = 1741 \pm 57$

Mass = 3.0960 ± 0.0020

$\sigma_{J/\psi} = 0.0643 \pm 0.0023$

$N_{\psi'} = 109 \pm 36$

$\chi^2/\text{nDoF} = 1.31$

$S/B_{\pm 3\sigma} = 4.14$

$S/\sqrt{S+B} = 5.69$

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: 229.782 ± 43.795

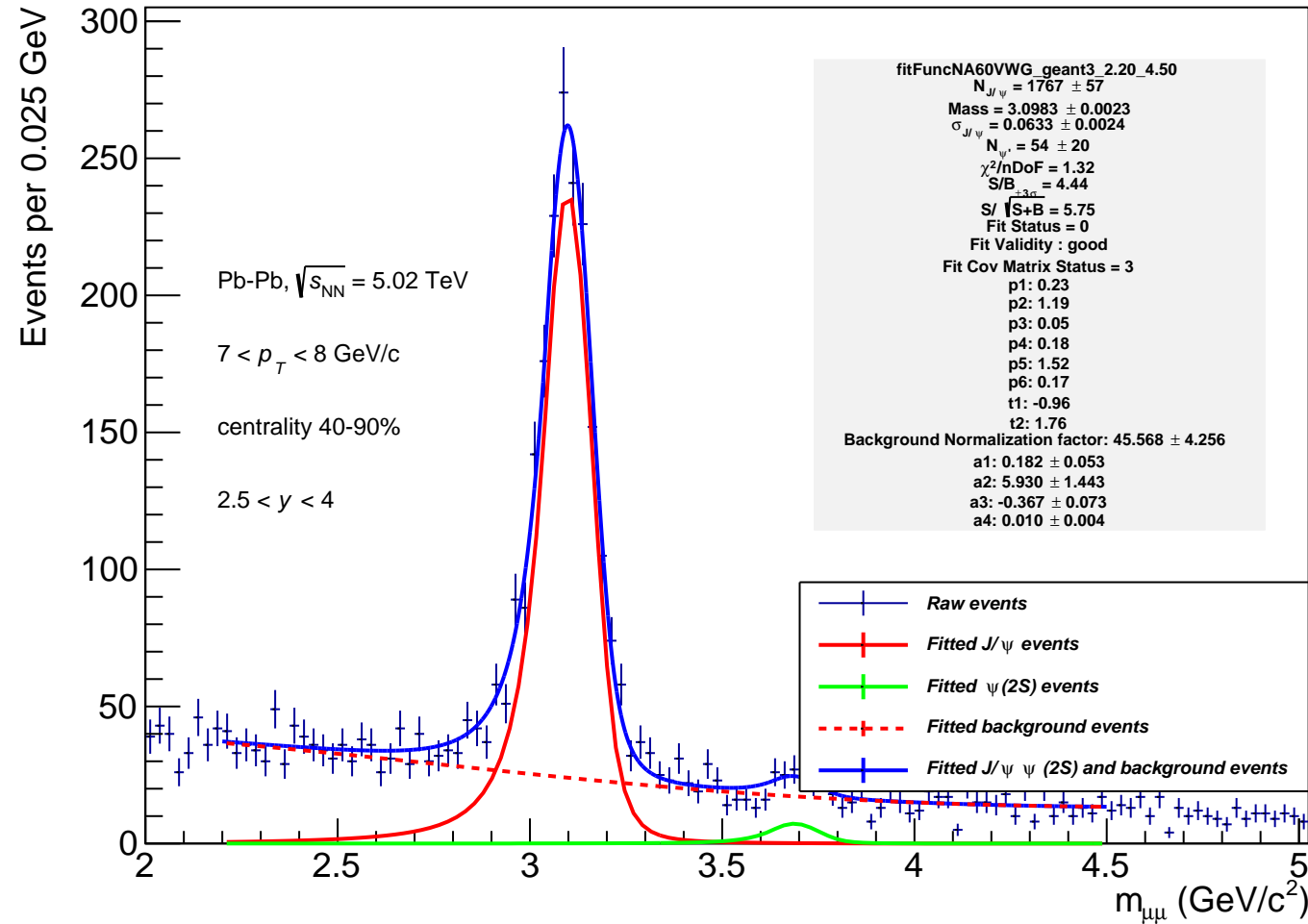
a1: -0.563 ± 0.007 ; a2: 0.07923 ± 0.002

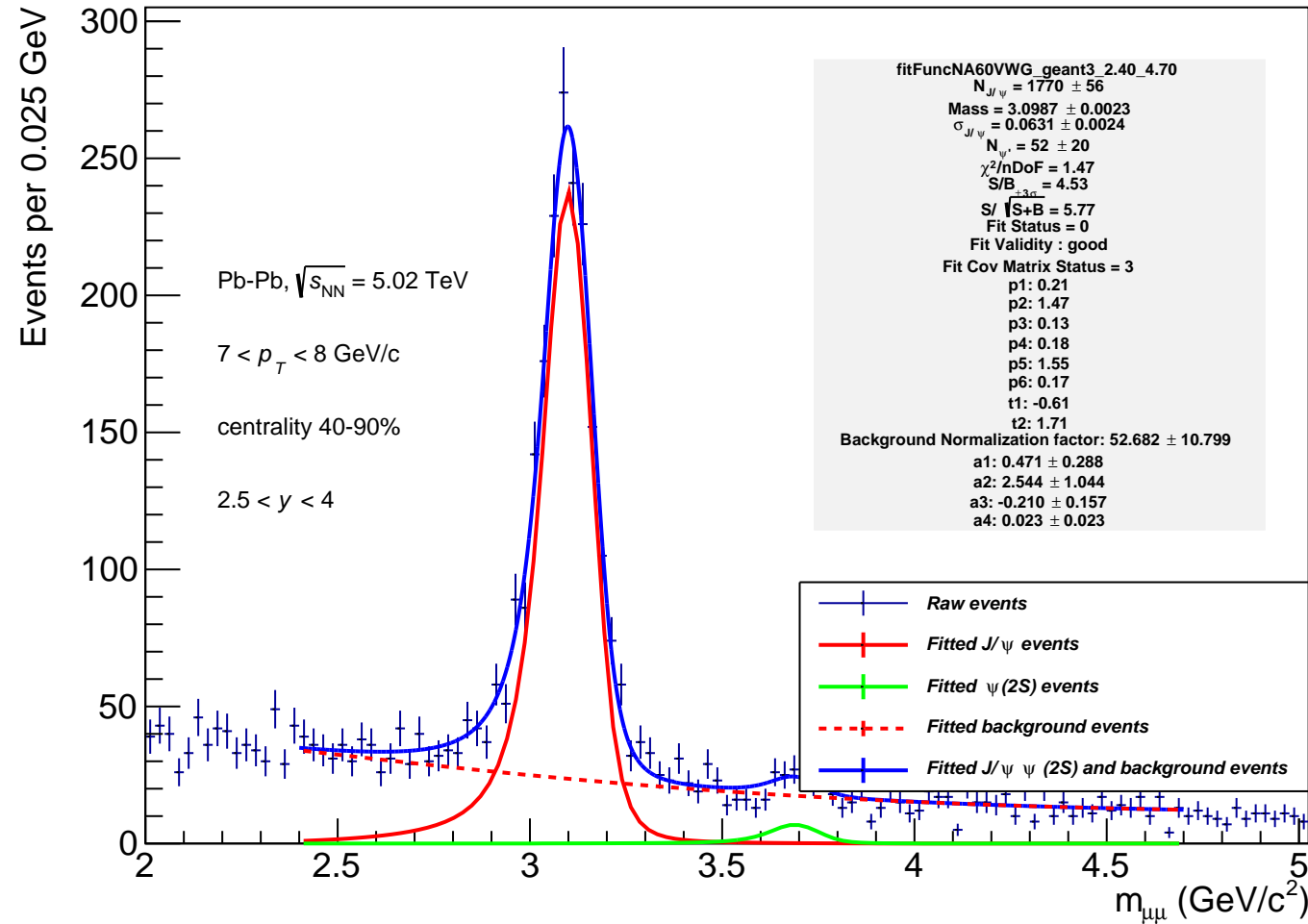
b1: -3.821 ± 0.908 ; b2: 6.615 ± 0.240

b3: -2.829 ± 0.078 ; b4: 0.357 ± 0.021

- +— 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)





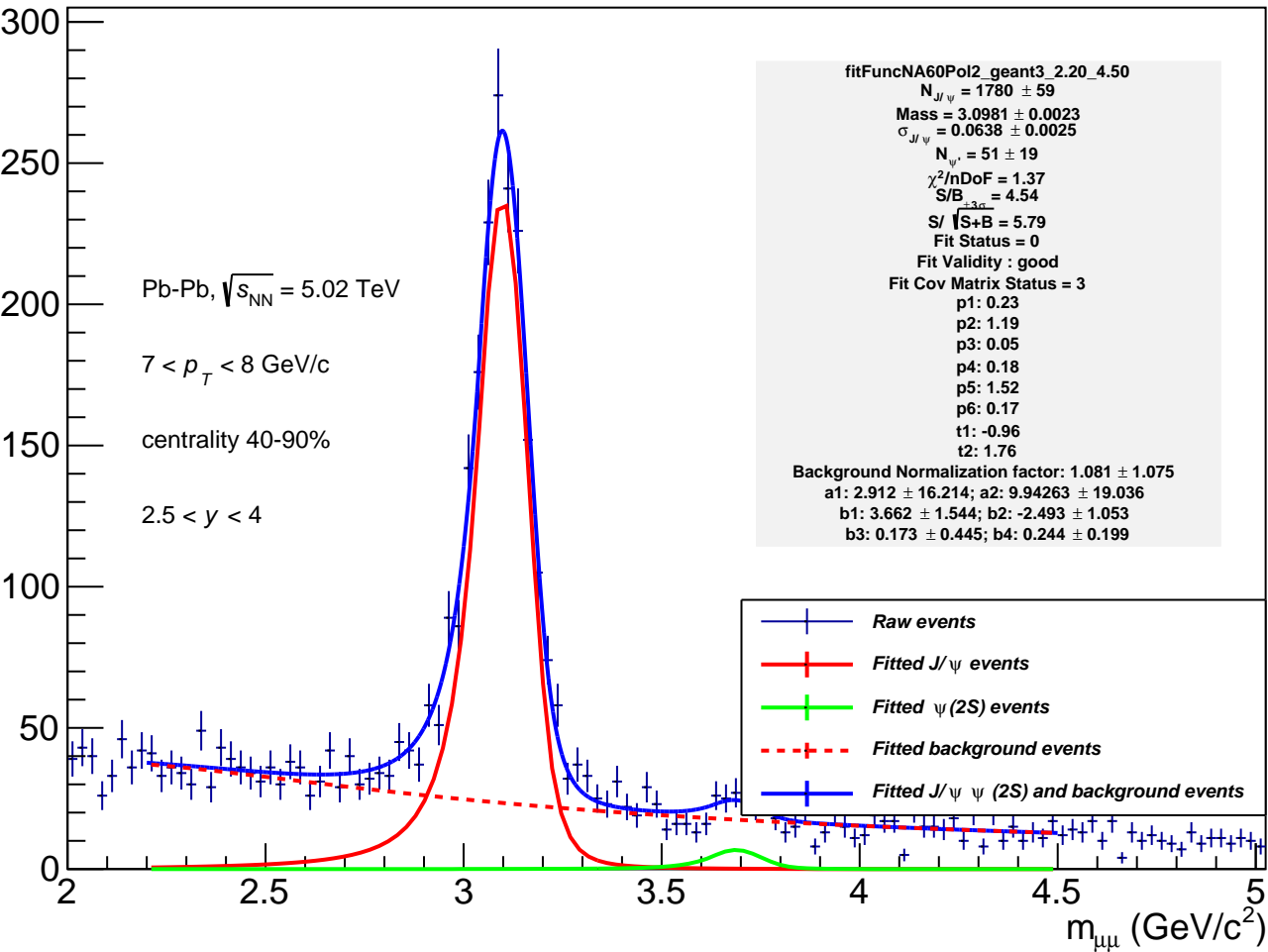
Events per 0.025 GeV

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

$7 < p_T < 8$ GeV/c

centrality 40-90%

$2.5 < y < 4$



Events per 0.025 GeV

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

$7 < p_T < 8$ GeV/c

centrality 40-90%

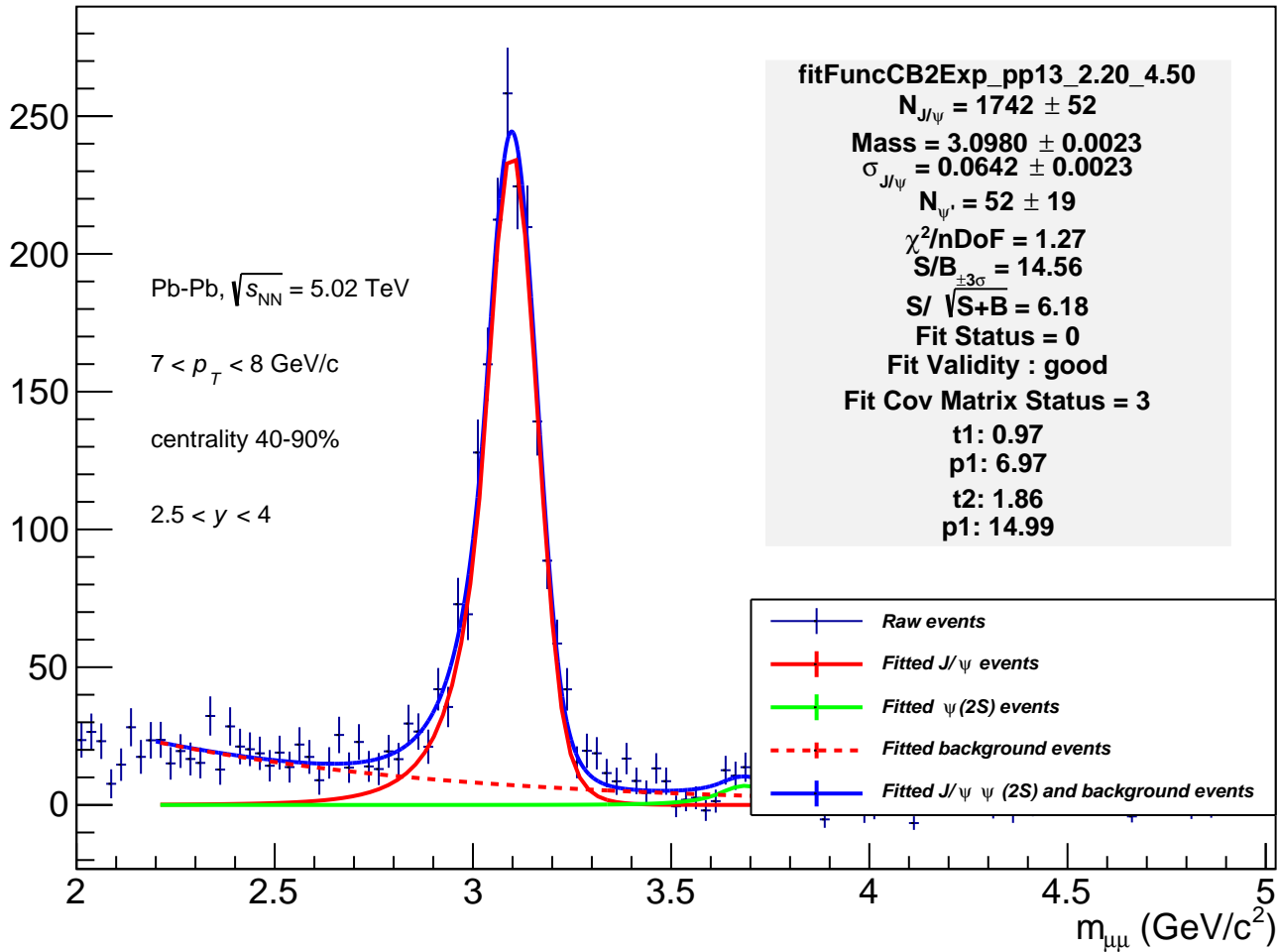
$2.5 < y < 4$

```
fitFuncNA60Pol2_geant3_2.40_4.70
NJ/ψ = 1772 ± 57
Mass = 3.0987 ± 0.0022
σJ/ψ = 0.0632 ± 0.0023
Nψ = 51 ± 19
χ²/nDoF = 1.51
S/B = 4.55
S/√(S+B) = 5.78
Fit Status = 0
Fit Validity : good
Fit Cov Matrix Status = 3
p1: 0.21
p2: 1.47
p3: 0.13
p4: 0.18
p5: 1.55
p6: 0.17
t1: -0.61
t2: 1.71
Background Normalization factor: 552.337 ± 106.475
a1: -0.339 ± 0.105; a2: 0.03503 ± 0.009
b1: 4.895 ± 2.491; b2: 0.600 ± 0.431
b3: -0.047 ± 0.402; b4: 0.013 ± 0.185
```

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

$m_{\mu\mu}$ (GeV/c²)

Events per 0.025 GeV



Events per 0.025 GeV

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

$7 < p_T < 8$ GeV/c

centrality 40-90%

$2.5 < y < 4$

fitFuncCB2Exp_geant3_2.20_4.50

$N_{J/\psi} = 1783 \pm 55$

Mass = 3.0992 ± 0.0022

$\sigma_{J/\psi} = 0.0633 \pm 0.0024$

$N_{\psi'} = 58 \pm 20$

$\chi^2/nDoF = 1.30$

$S/B_{\pm 3\sigma} = 16.13$

$S/\sqrt{S+B} = 6.18$

Fit Status = 0

Fit Validity : good

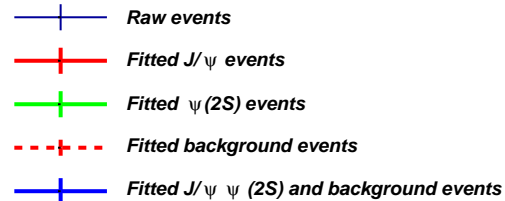
Fit Cov Matrix Status = 3

t1: 0.97

p1: 3.98

t2: 2.30

p1: 3.03



$m_{\mu\mu}$ (GeV/c²)

Events per 0.025 GeV

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

$7 < p_T < 8$ GeV/c

centrality 40-90%

$2.5 < y < 4$

fitFuncCB2Exp_pp13_2.40_4.70

$N_{J/\psi} = 1743 \pm 54$

Mass = 3.0981 ± 0.0022

$\sigma_{J/\psi} = 0.0642 \pm 0.0024$

$N_{\psi'} = 55 \pm 20$

$\chi^2/nDoF = 1.27$

$S/B_{\pm 3\sigma} = 15.10$

$S/\sqrt{S+B} = 6.19$

Fit Status = 0

Fit Validity : good

Fit Cov Matrix Status = 3

t1: 0.97

p1: 6.97

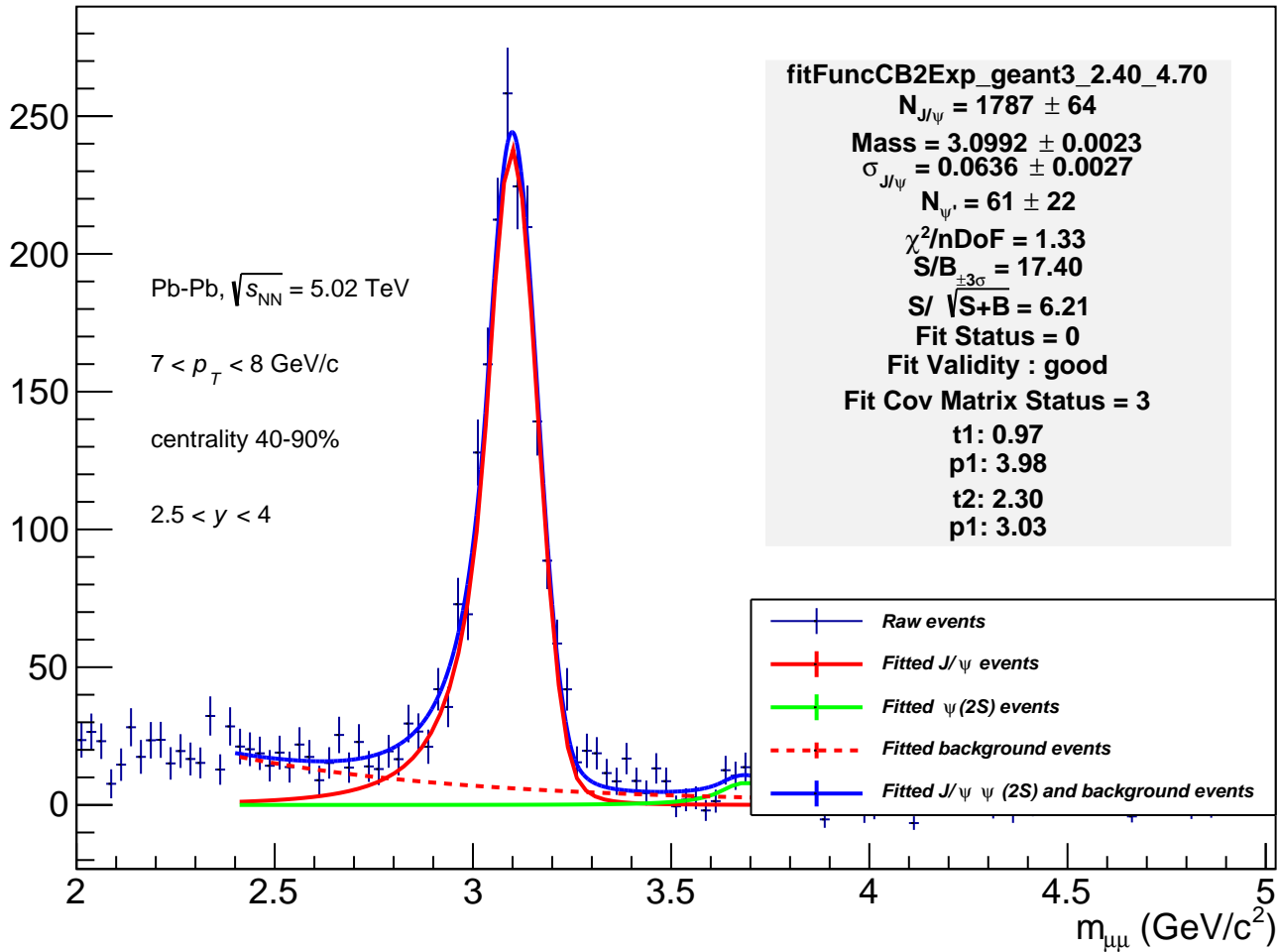
t2: 1.86

p1: 14.99

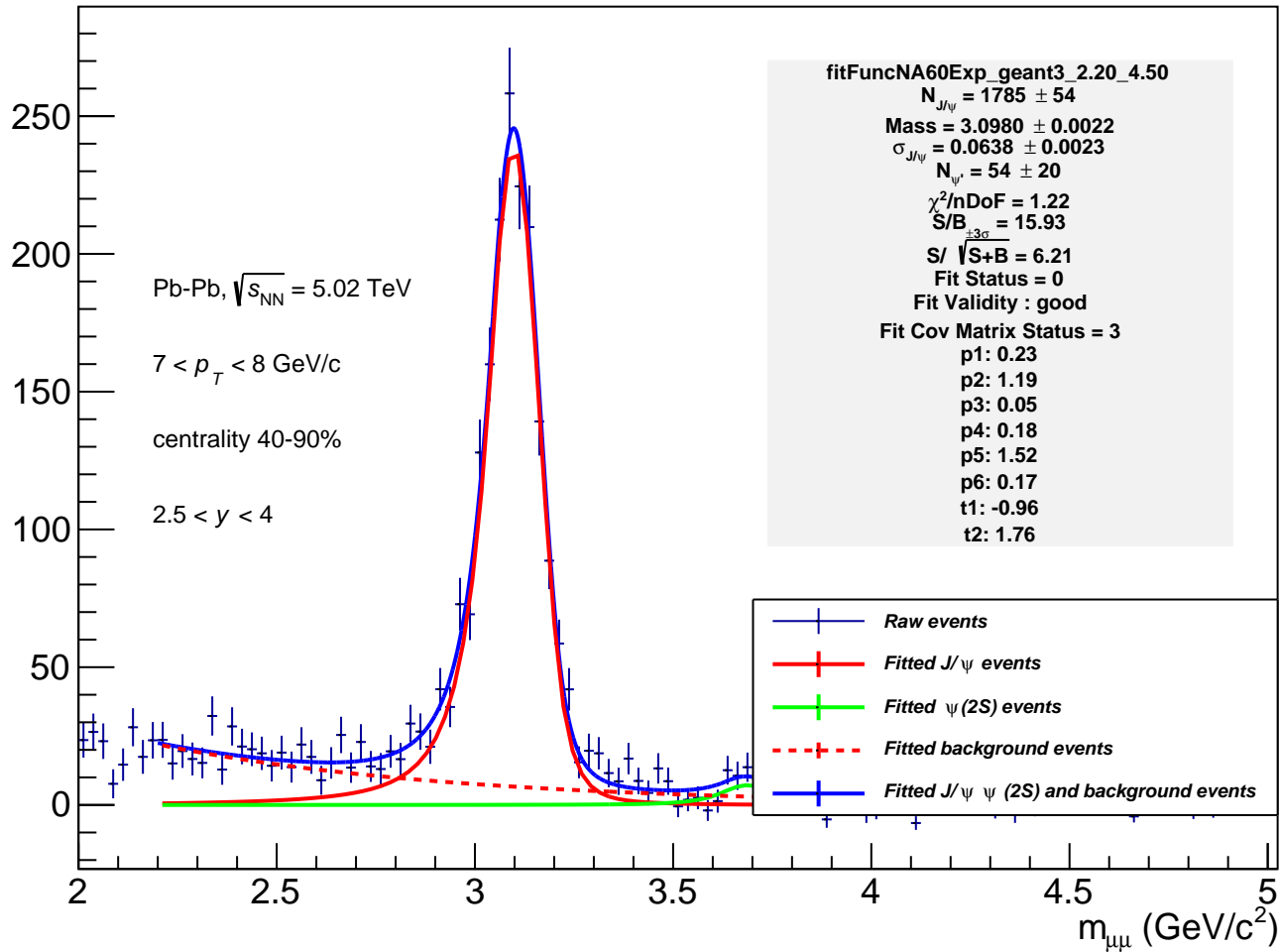
—+— *Raw events*
—+— *Fitted J/ψ events*
—+— *Fitted $\psi(2S)$ events*
- - + - *Fitted background events*
—+— *Fitted J/ψ $\psi(2S)$ and background events*

2 2.5 3 3.5 4 4.5 5
 $m_{\mu\mu}$ (GeV/c²)

Events per 0.025 GeV



Events per 0.025 GeV



Events per 0.025 GeV

