Invariant mass distribution (Run 2016B)

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JSON file

Cert_271036-273730_13TeV_PromptReco_Collisions16_JSON.txt

Selection(muon)

Singel muon $P_t > 2$

Muon ID : soft

TrackType: INNER

Rapidity: (0, 1.4)

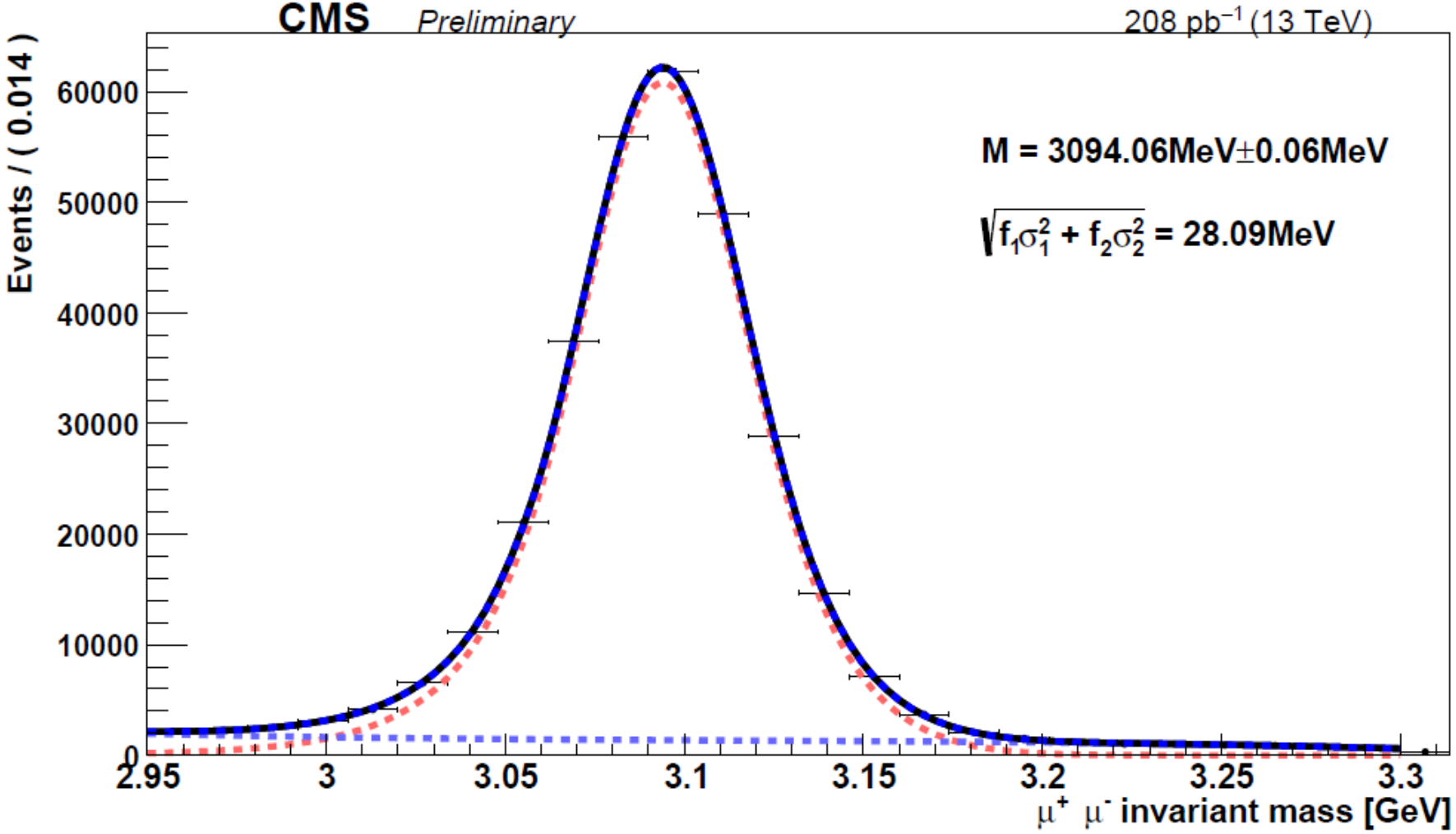
Dimuon invariant mass of J/ψ

- Dataset: Charmonium – Prompt_v2
- Selection: 2 muons passing Soft ID, $|y_{jpsi}| < 1.4$
- Trigger: HLT_Dimuon 16_Jpsi
- Fit Method

  Mass PDF: double Crystal Ball with common mean, n and alpha parameters

  Background PDF: Chebychev polynomial series of order 2

Dimuon invariant mass of J/ψ



Dimuon invariant mass of Y(nS)

- Dataset: MuOnia – Prompt_v2
- Selection: 2 muons passing Soft ID, $|\mu_\eta| < 0.9$
- Trigger: HLT_Dimuon 13_Upsilon
- Fit Method

Y(1S) Mass PDF: double Crystal Ball with common mean, n and alpha parameters

Y(2S) Mass PDF: Crystal Ball

Y(3S) Mass PDF: Crystal Ball

Background PDF: Chebychev polynomial series of order 2

Dimuon invariant mass of Y(nS)