

19.2 fb⁻¹ (8 TeV)

CMS

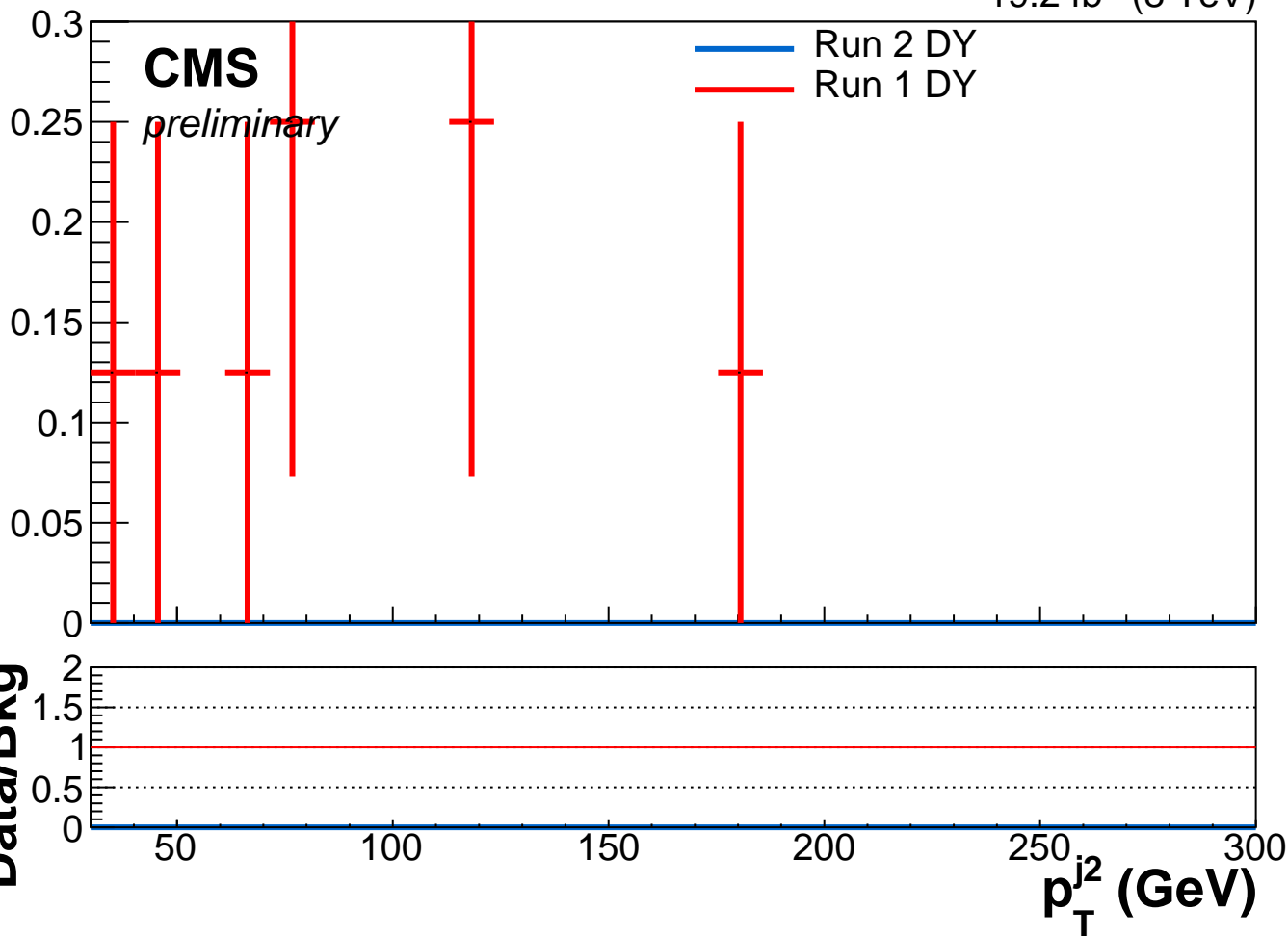
preliminary

Run 2 DY

Run 1 DY

Data/Bkg

p_T^{j2} (GeV)



19.2 fb⁻¹ (8 TeV)

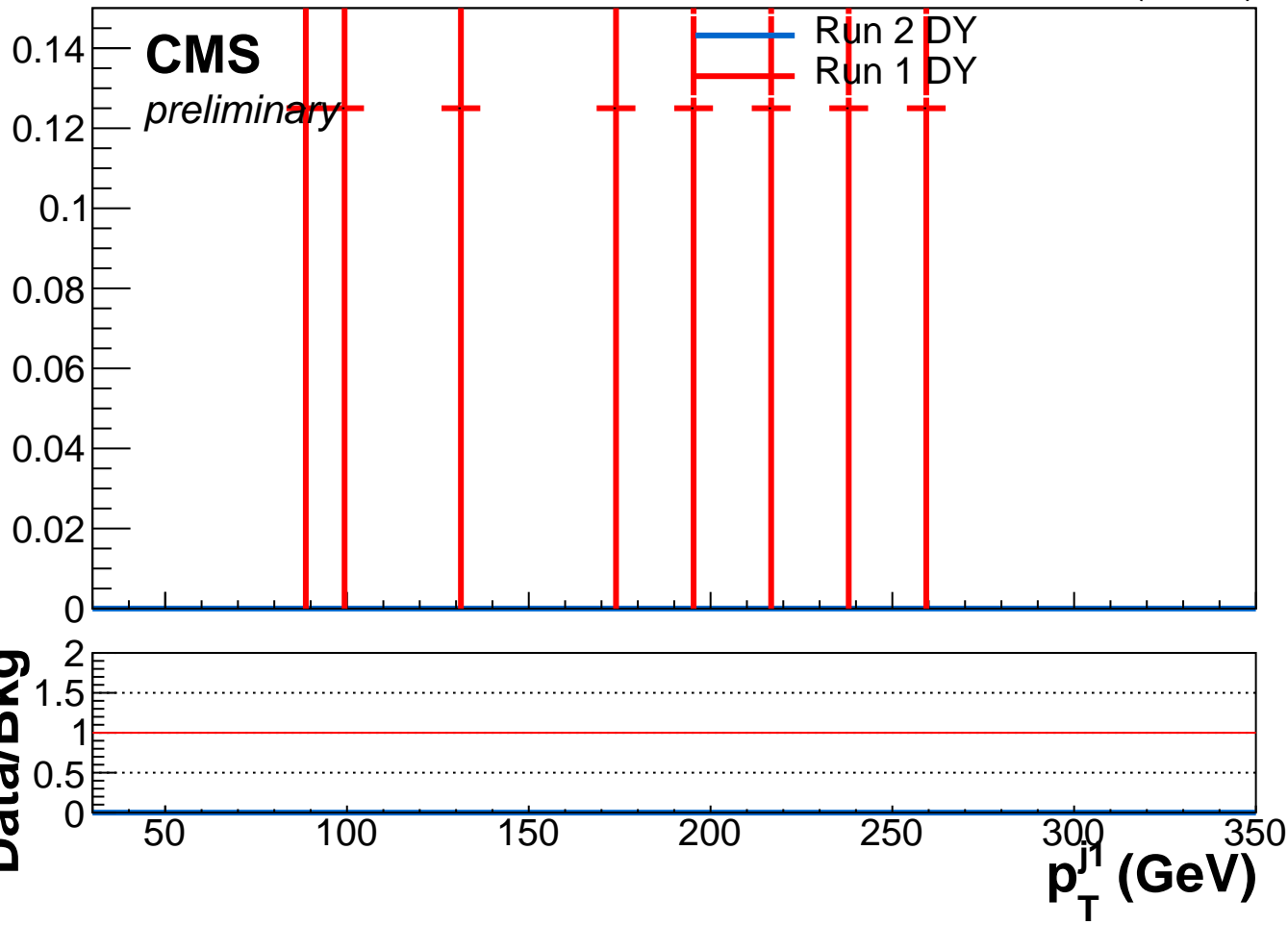
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

p_T^{J1} (GeV)



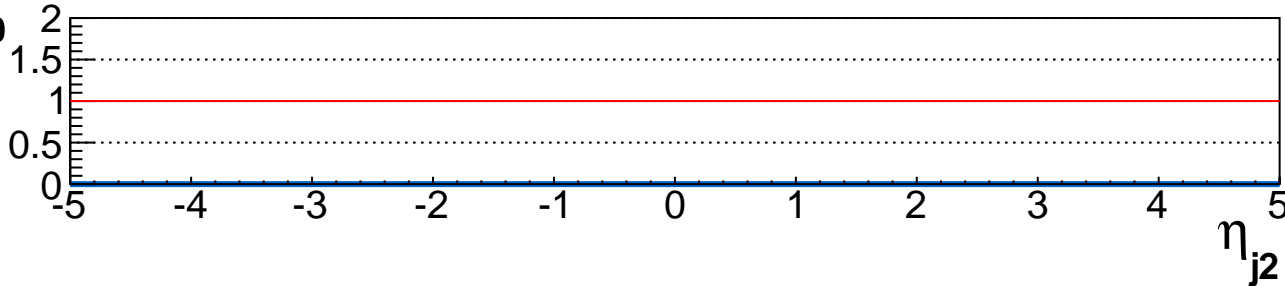
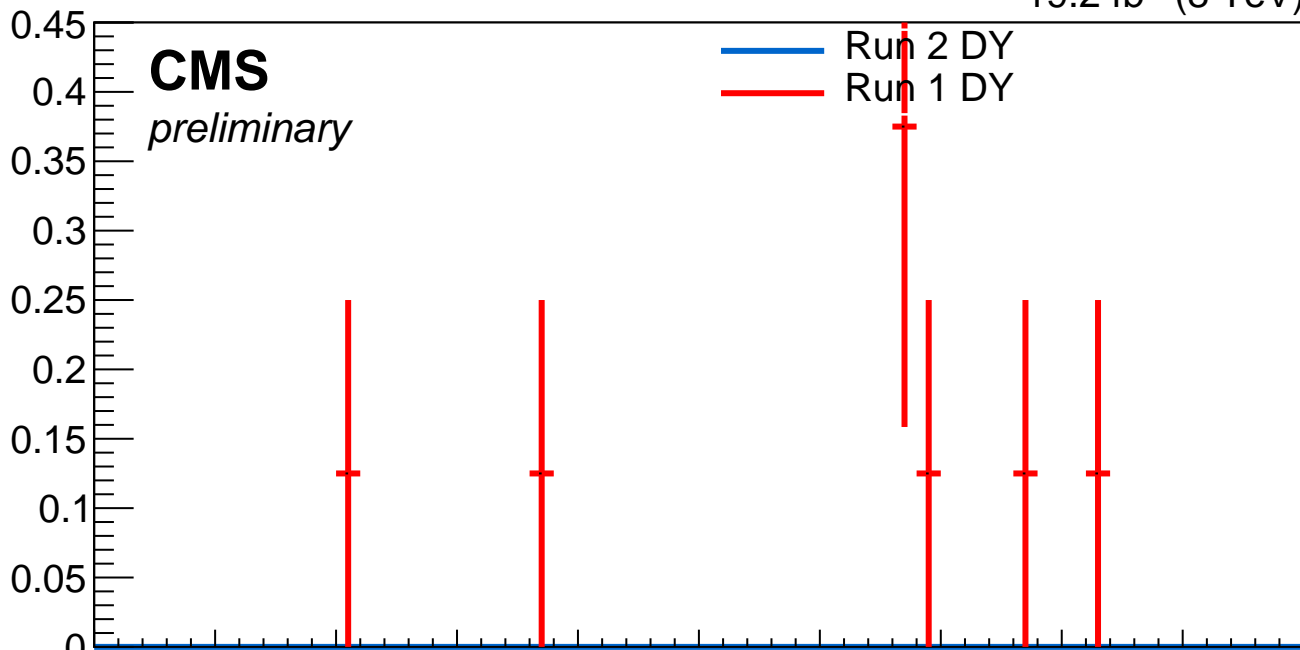
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

Run 2 DY
Run 1 DY

Data/Bkg

η_{j2}



19.2 fb⁻¹ (8 TeV)

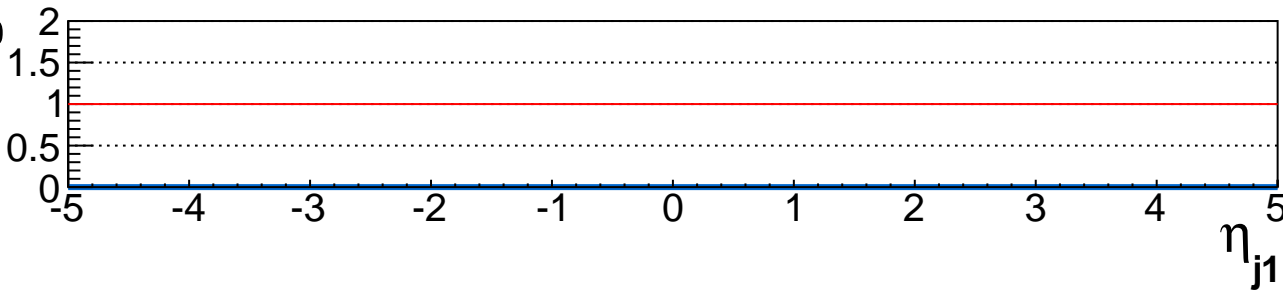
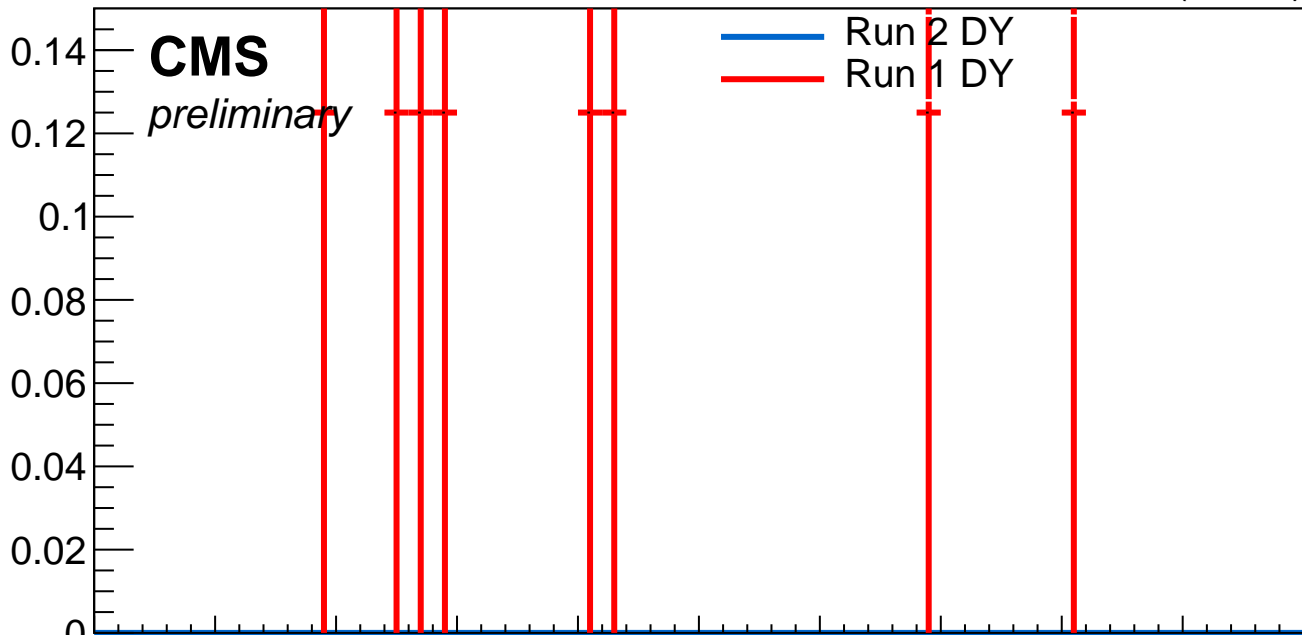
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

η_{j1}



19.2 fb⁻¹ (8 TeV)

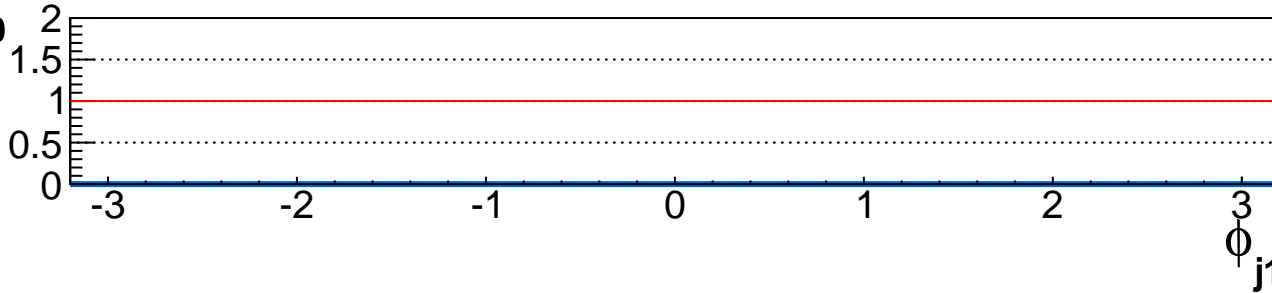
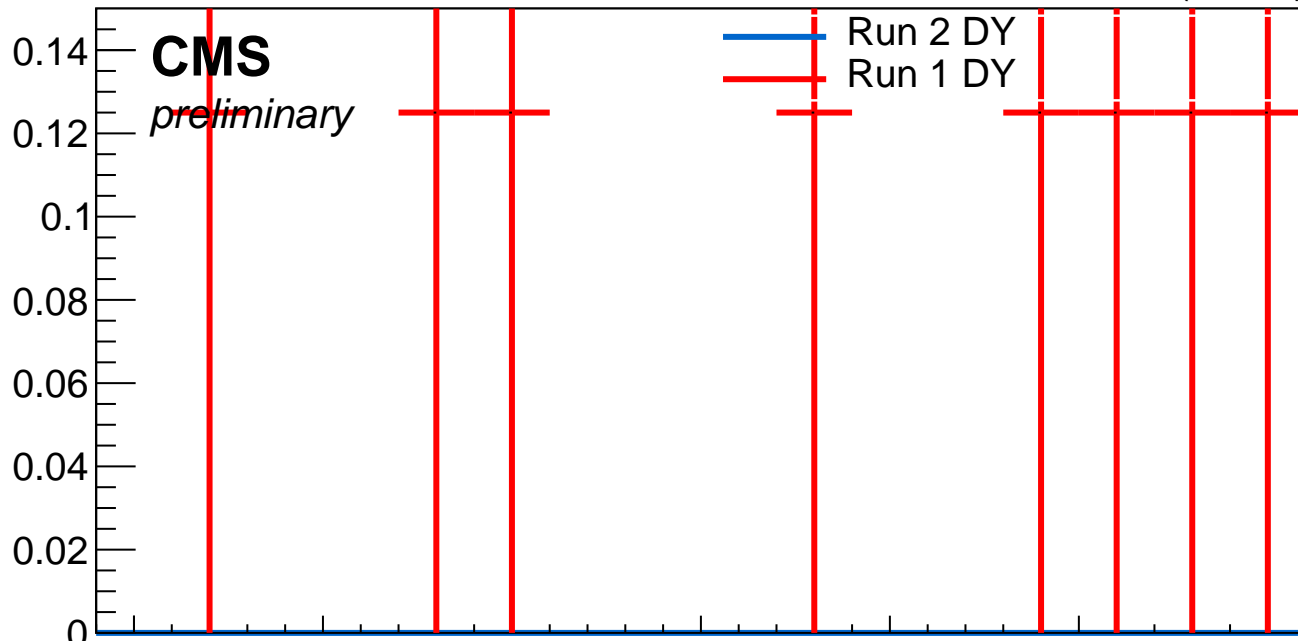
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

ϕ_{j1}

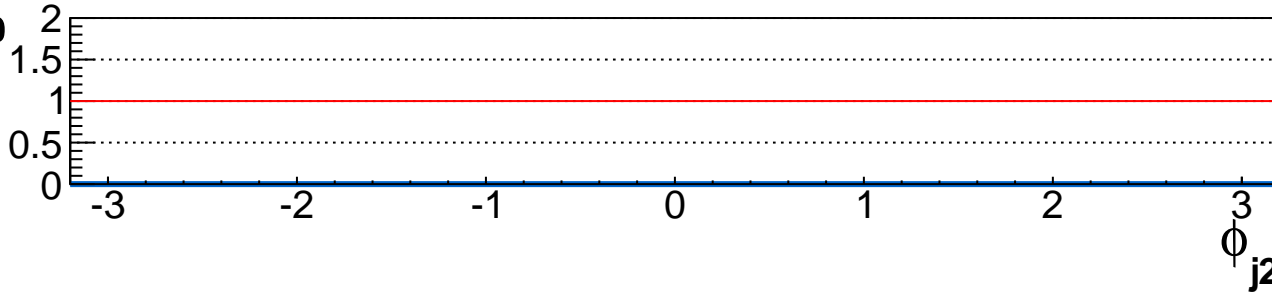
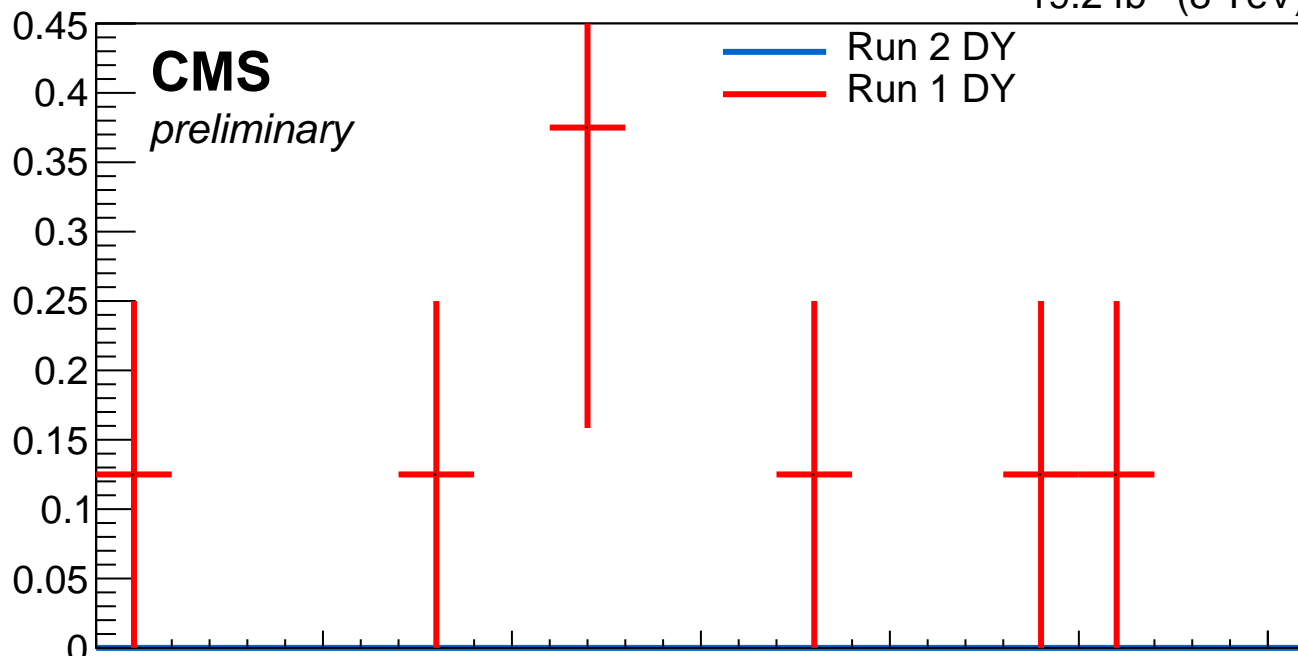


19.2 fb⁻¹ (8 TeV)

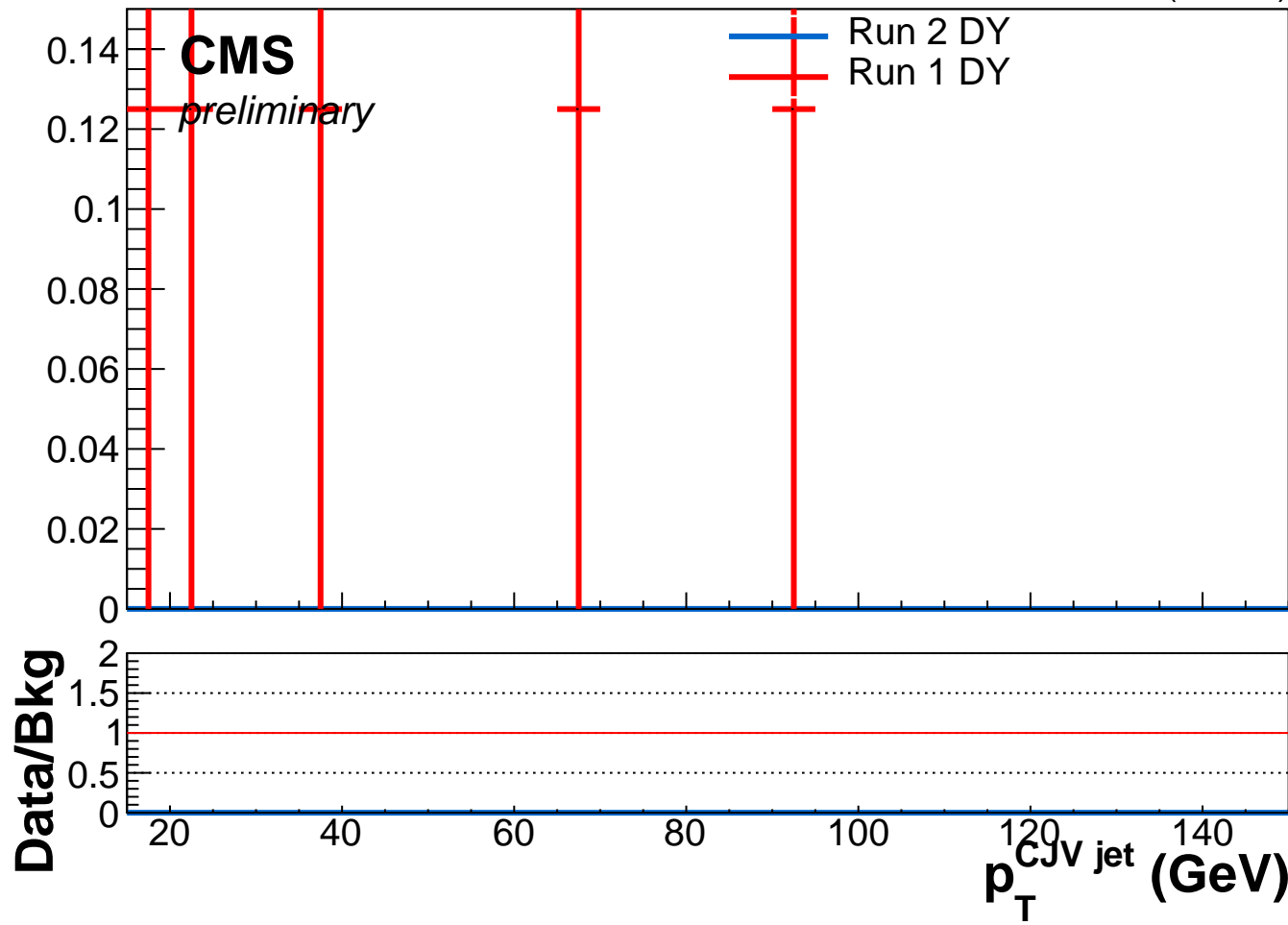
CMS
preliminary

Run 2 DY
Run 1 DY

Data/Bkg



19.2 fb⁻¹ (8 TeV)



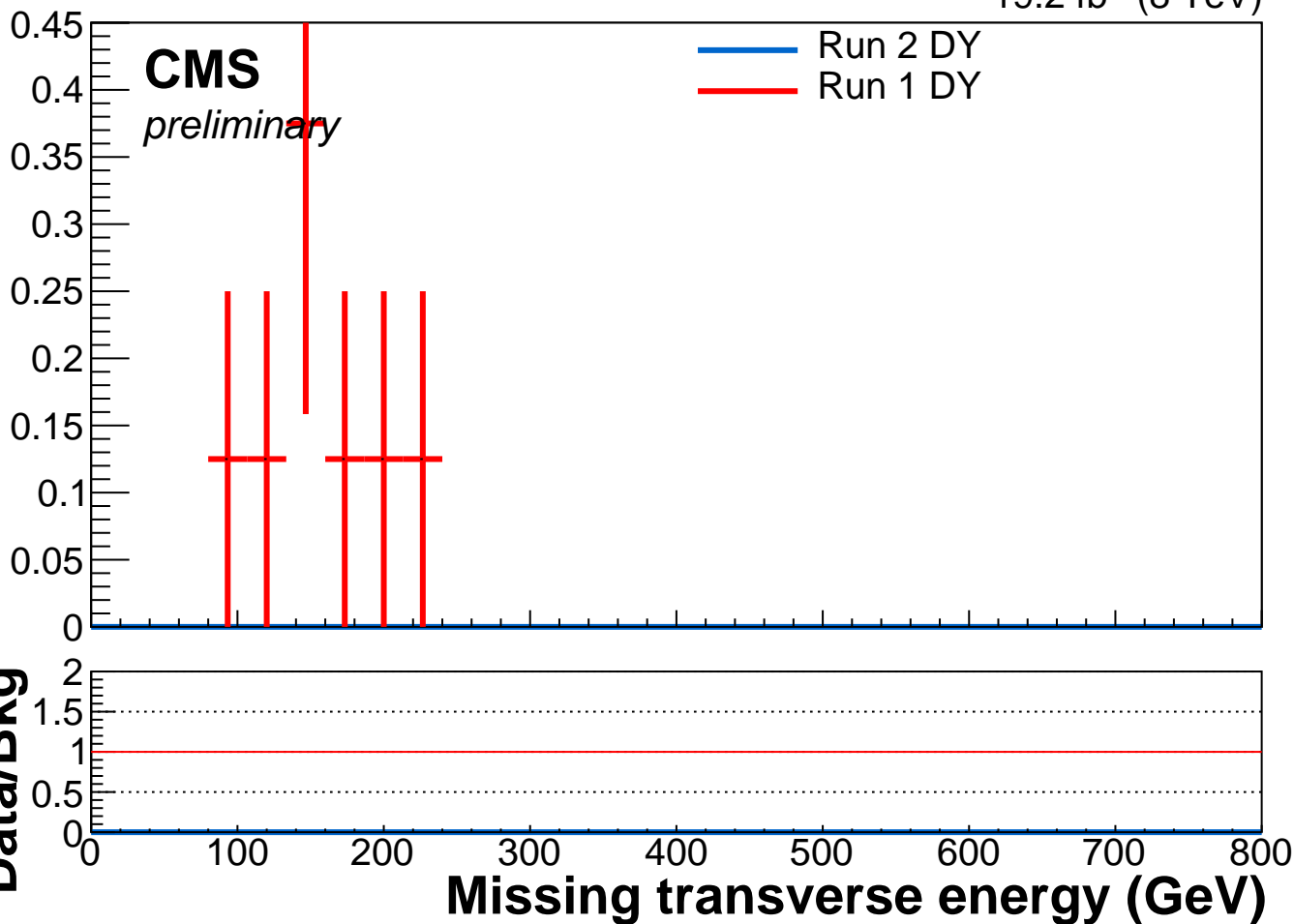
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Missing transverse energy (GeV)



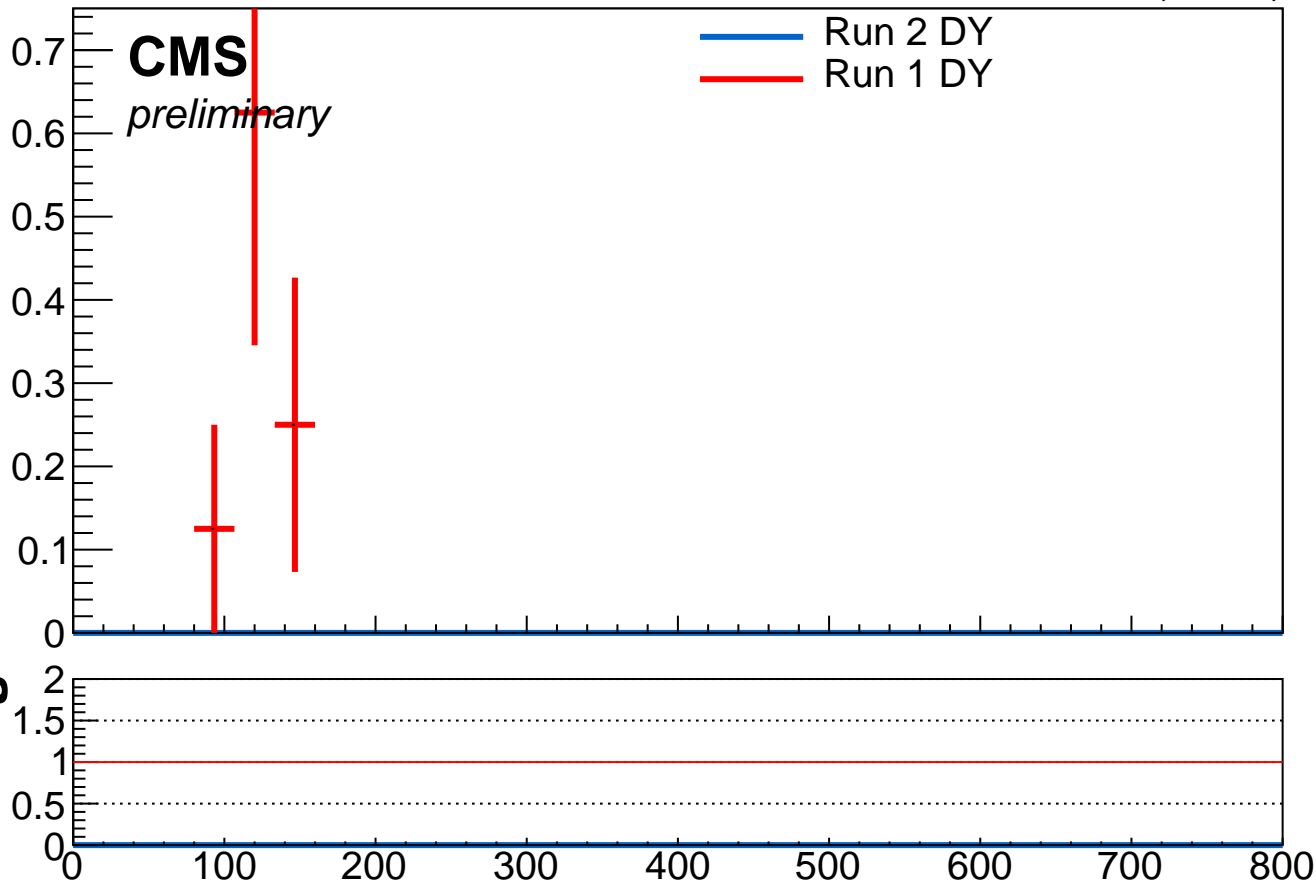
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

Run 2 DY
Run 1 DY

Data/Bkg

MET (GeV)



19.2 fb⁻¹ (8 TeV)

CMS

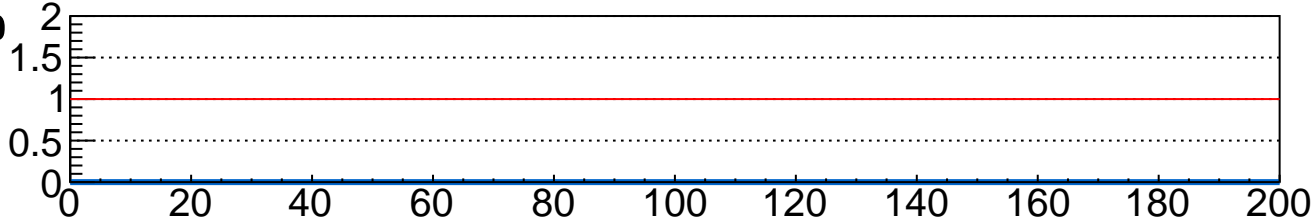
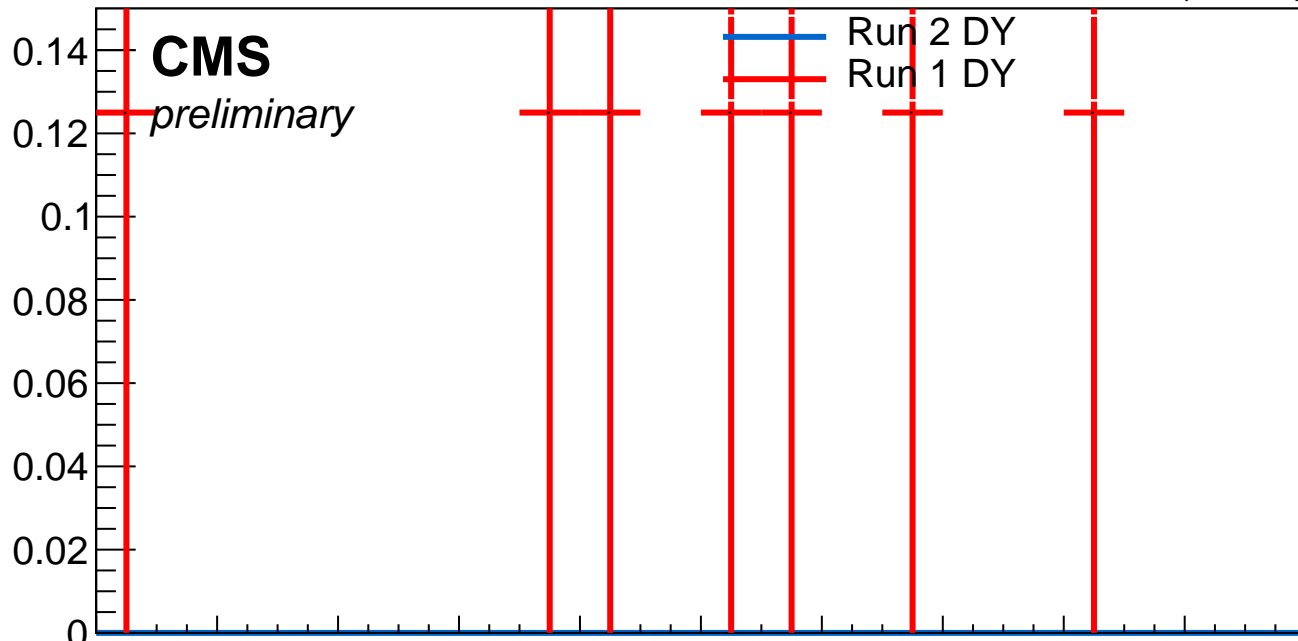
preliminary

Run 2 DY

Run 1 DY

Data/Bkg

L1MET (GeV)



19.2 fb⁻¹ (8 TeV)

CMS

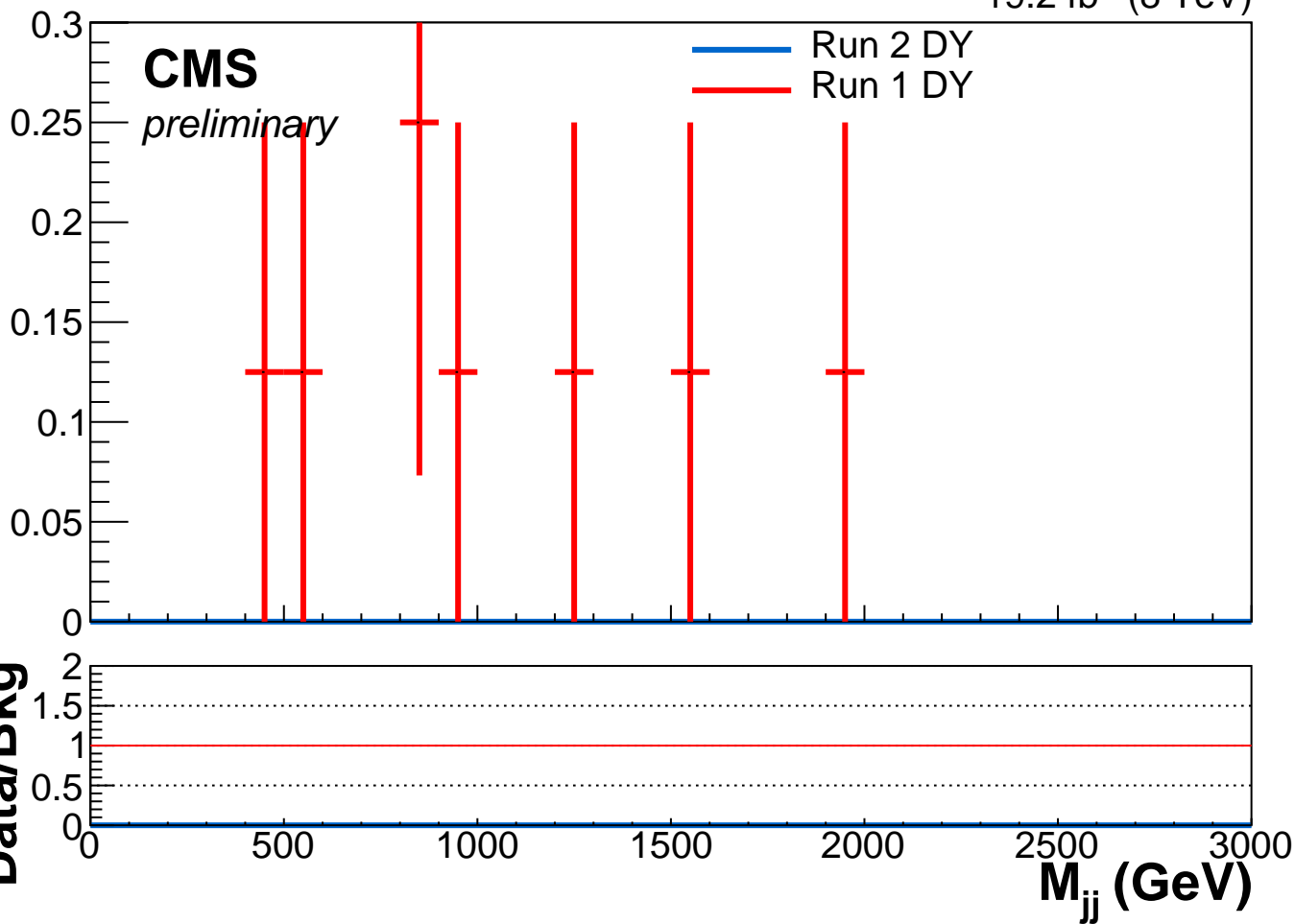
preliminary

Run 2 DY

Run 1 DY

Data/Bkg

M_{jj} (GeV)



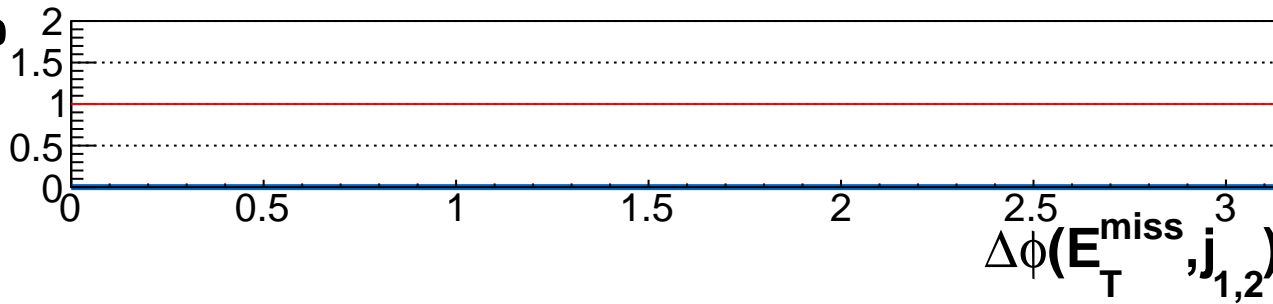
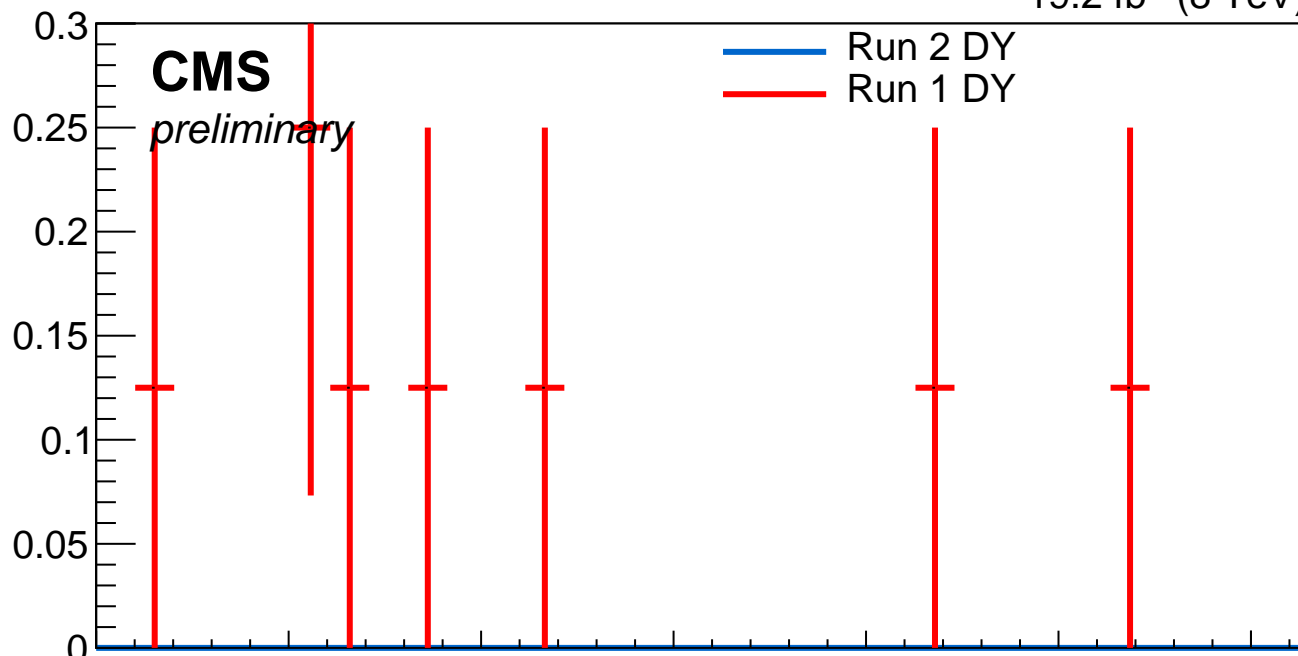
19.2 fb⁻¹ (8 TeV)

CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg



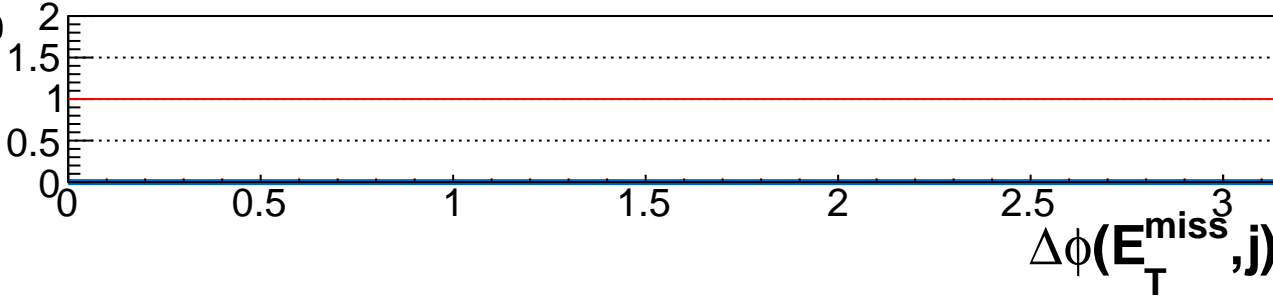
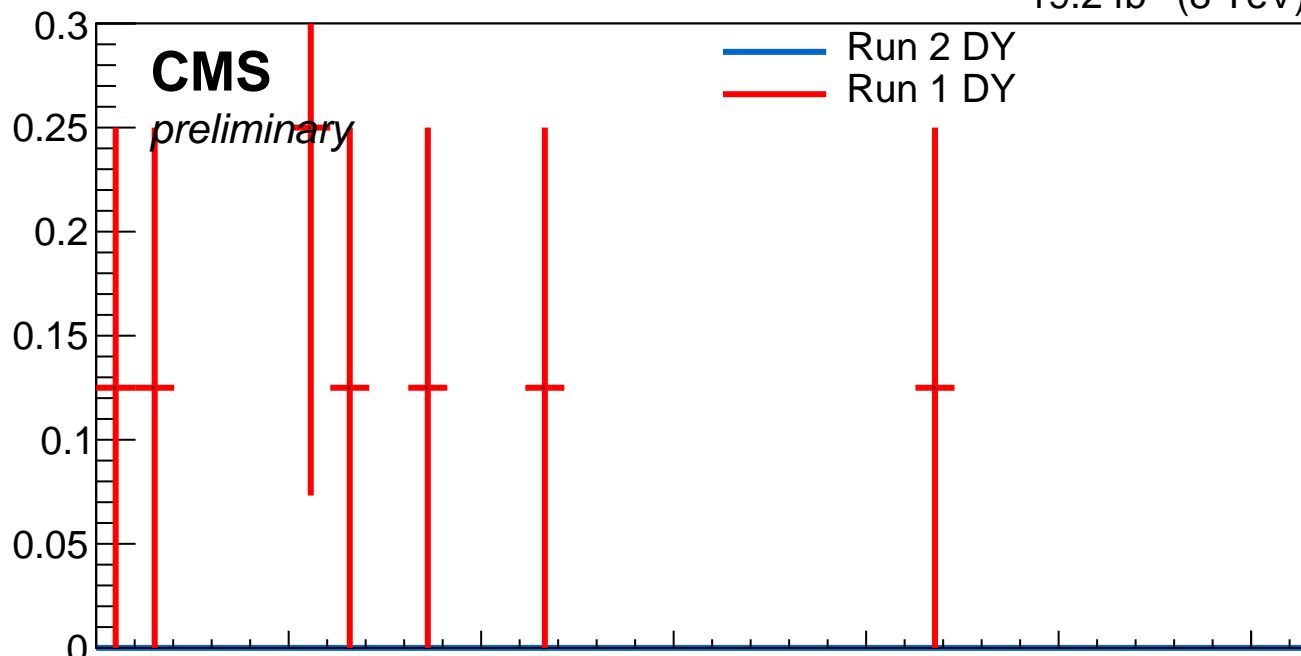
19.2 fb⁻¹ (8 TeV)

CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg



19.2 fb⁻¹ (8 TeV)

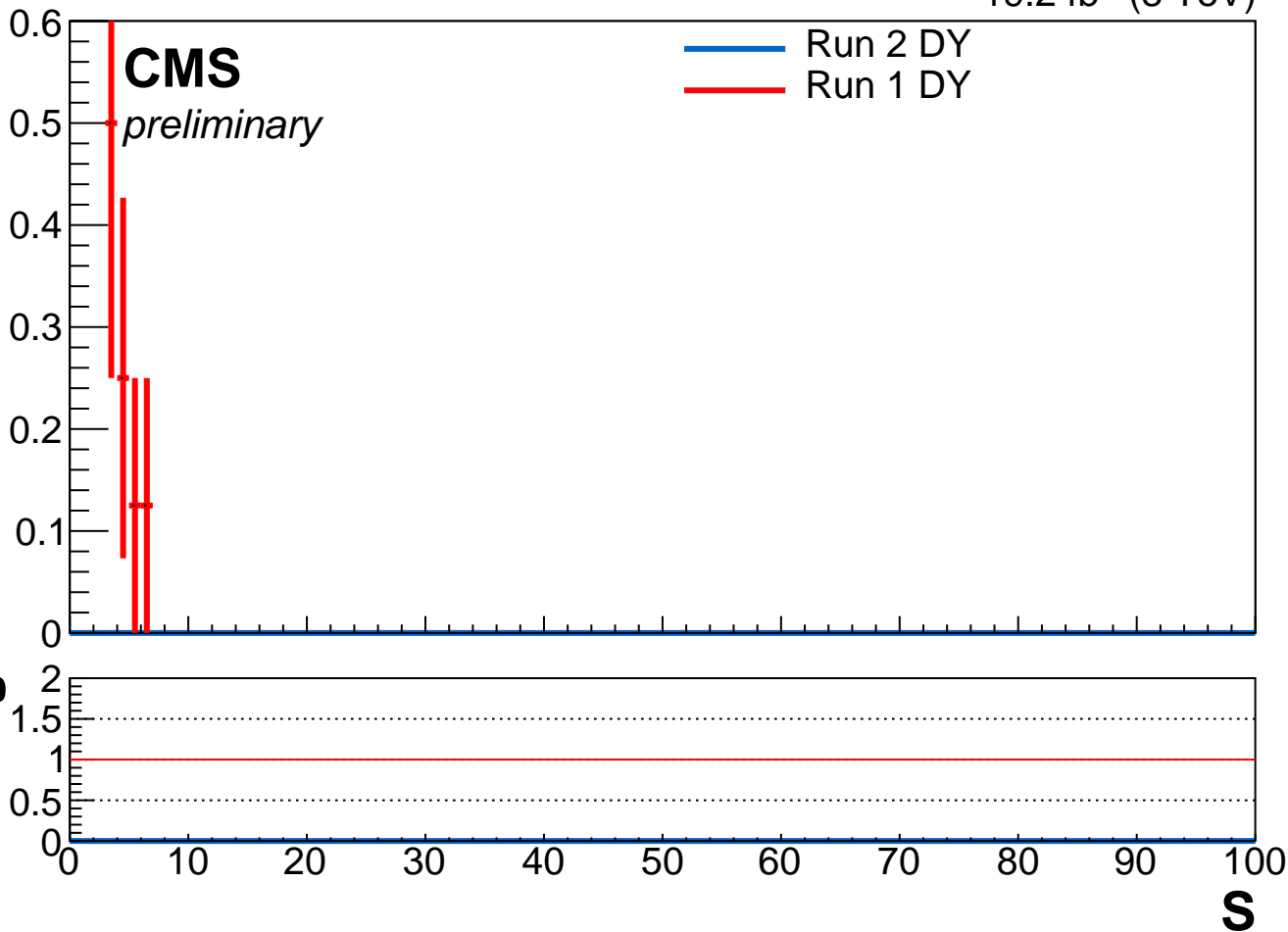
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

S



19.2 fb⁻¹ (8 TeV)

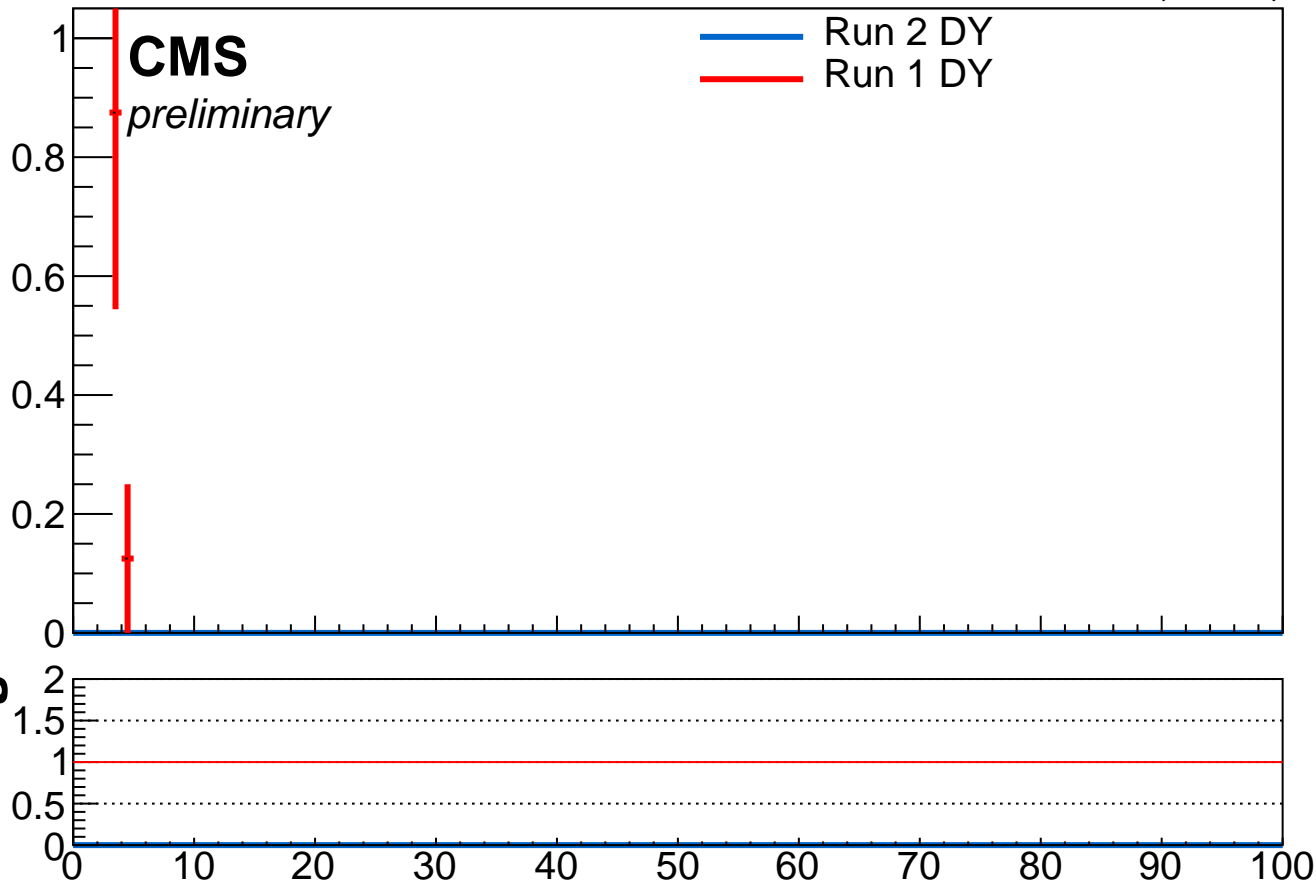
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Run 1 S



19.2 fb⁻¹ (8 TeV)

CMS

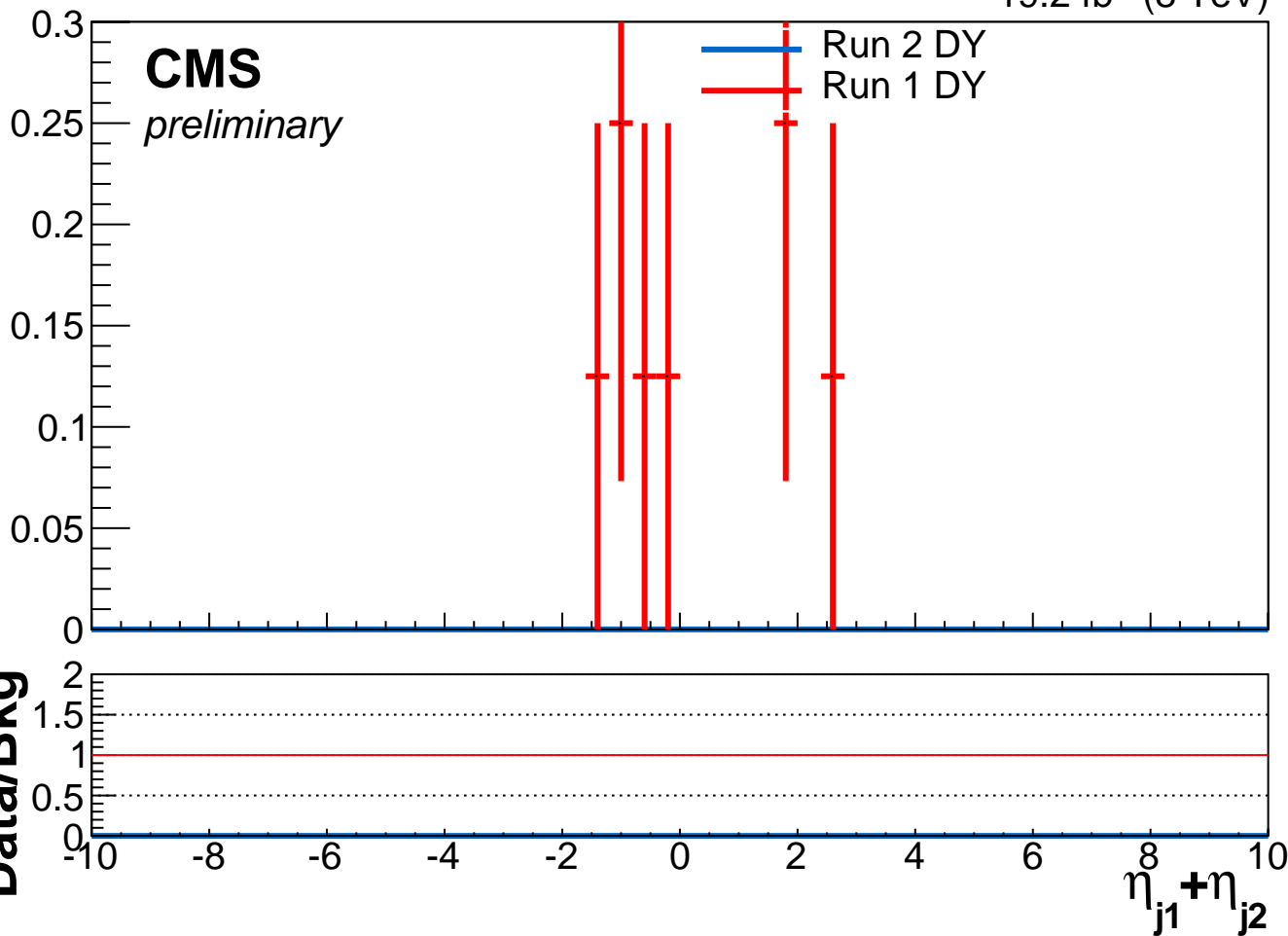
preliminary

Run 2 DY

Run 1 DY

Data/Bkg

$\eta_{j1} + \eta_{j2}$



19.2 fb⁻¹ (8 TeV)

CMS

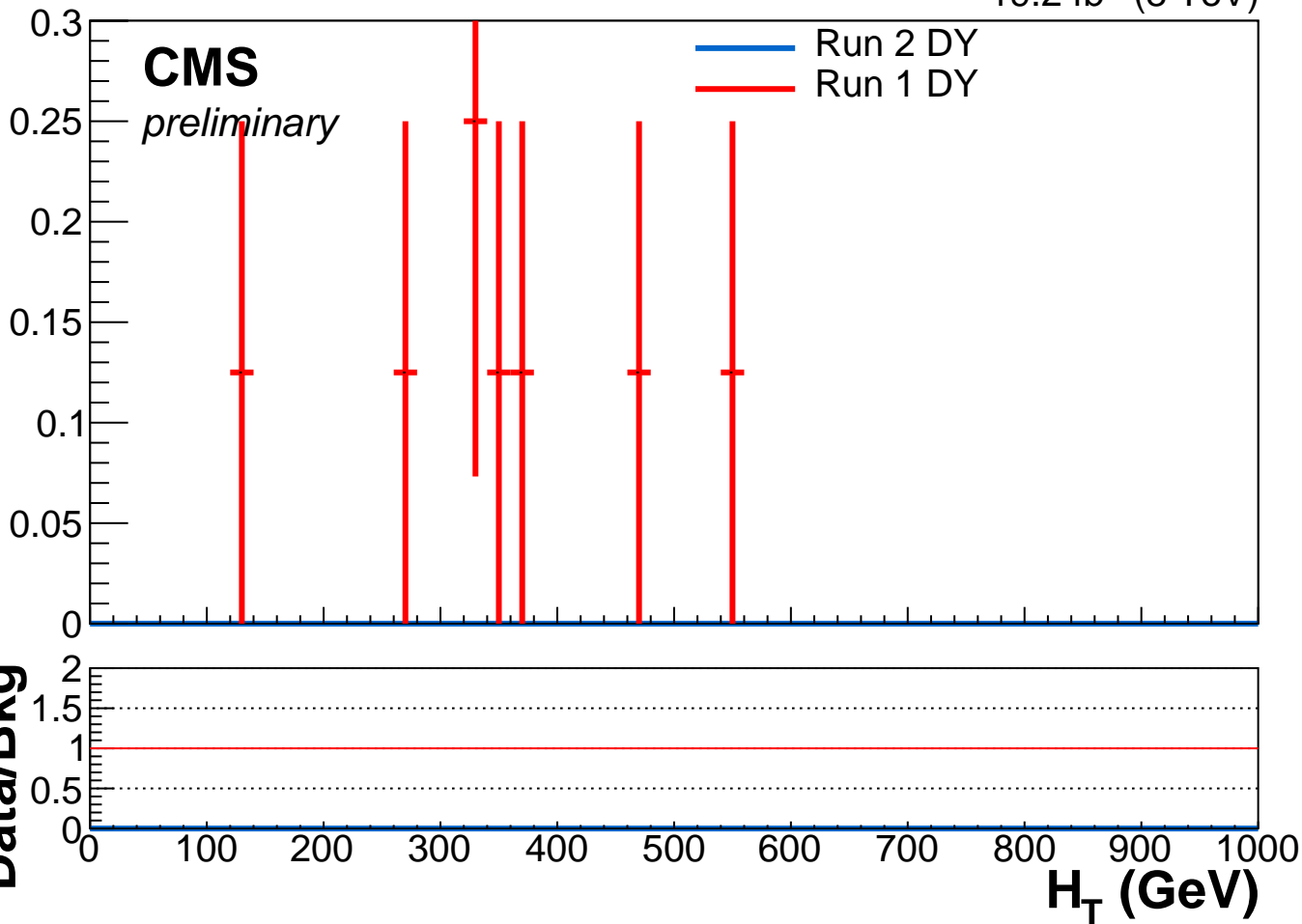
preliminary

Run 2 DY

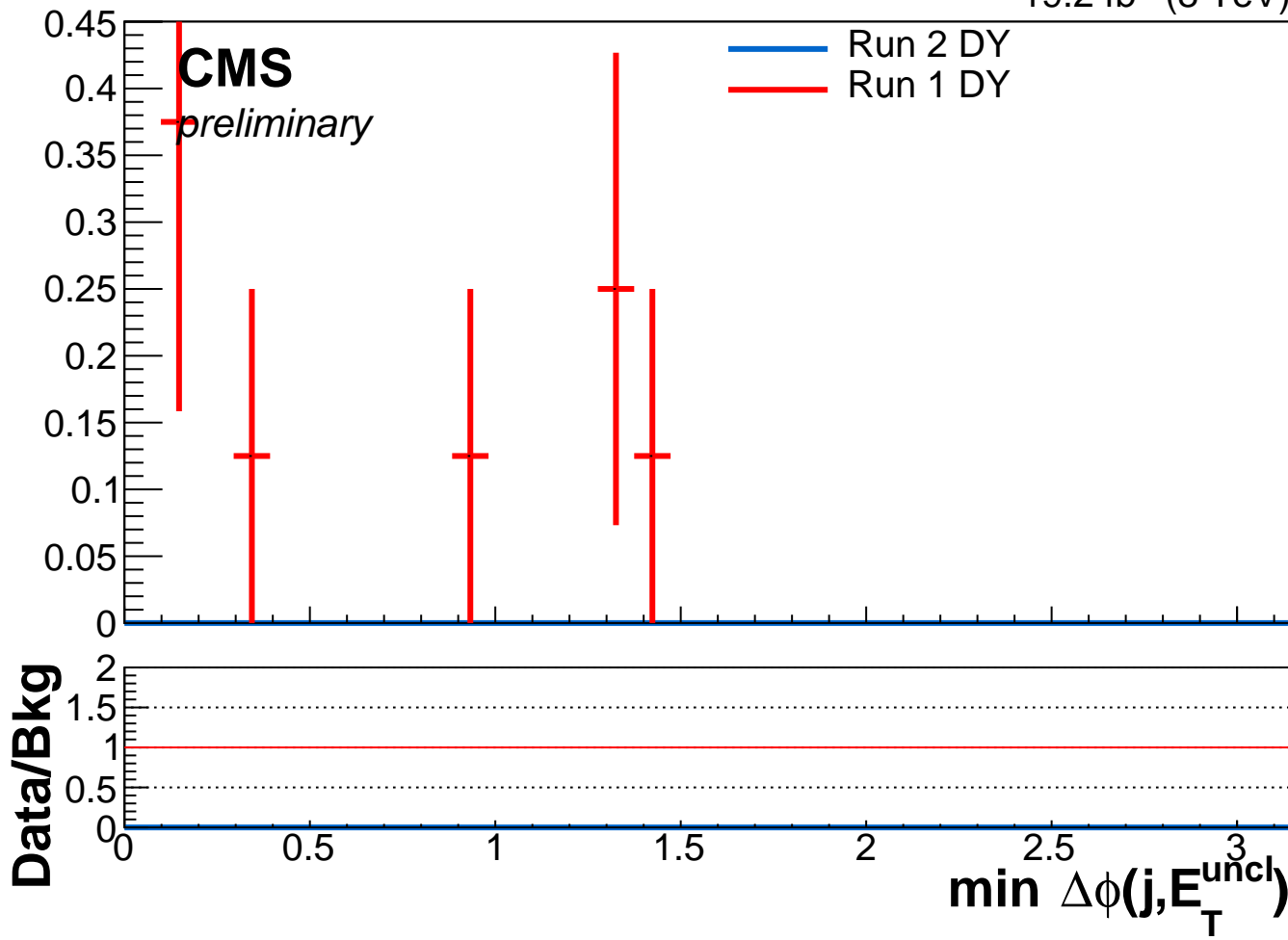
Run 1 DY

Data/Bkg

H_T (GeV)



19.2 fb⁻¹ (8 TeV)



19.2 fb⁻¹ (8 TeV)

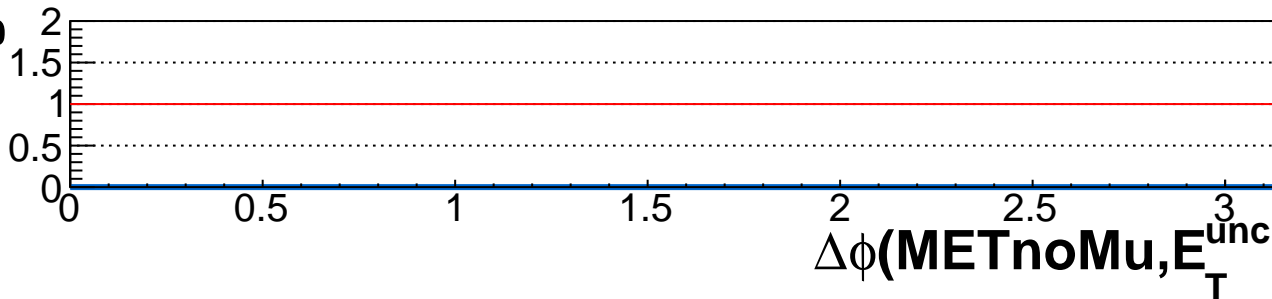
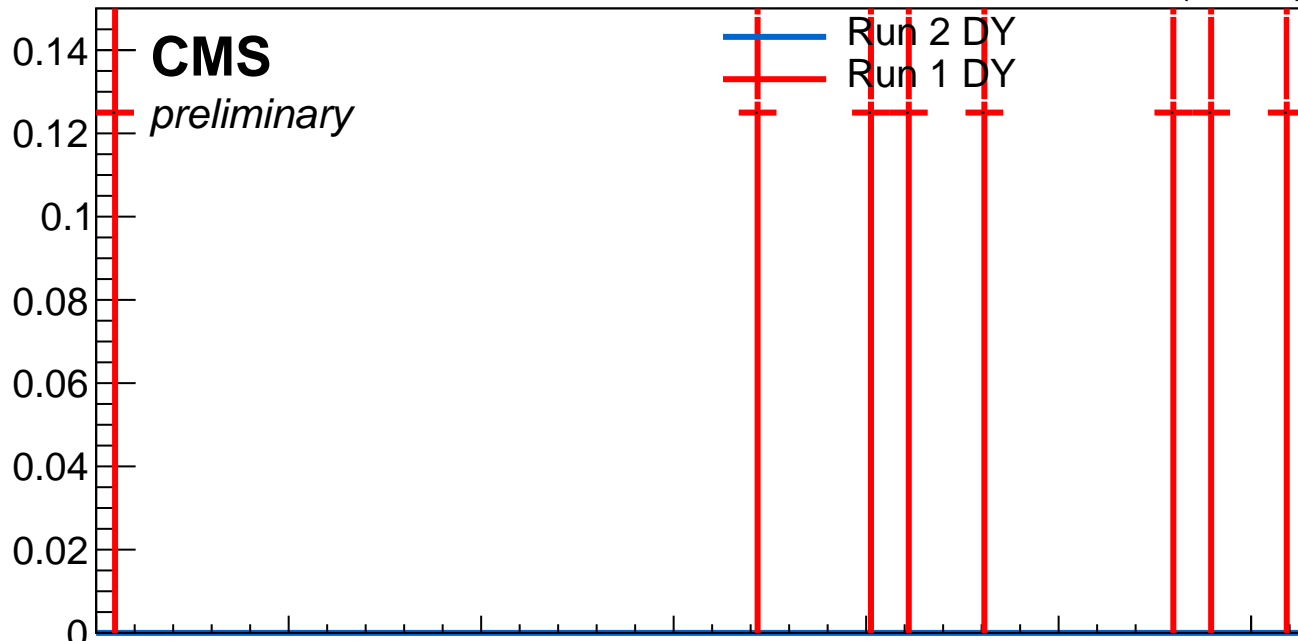
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$\Delta\phi(\text{METnoMu}, E_{\text{T}}^{\text{uncl}})$



19.2 fb⁻¹ (8 TeV)

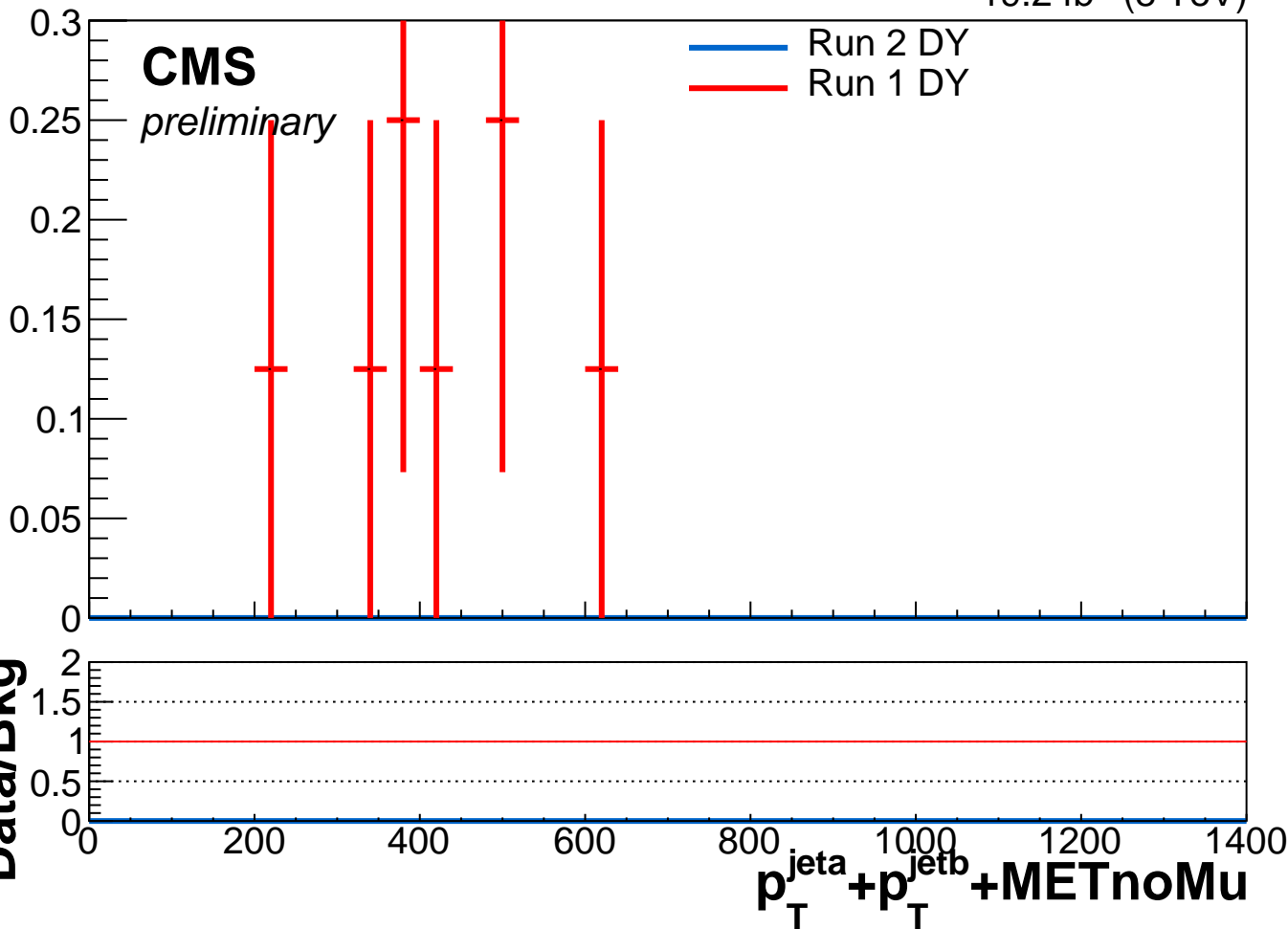
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$p_T^{\text{jeta}} + p_T^{\text{jetb}} + \text{MET}_{\text{noMu}}$



19.2 fb⁻¹ (8 TeV)

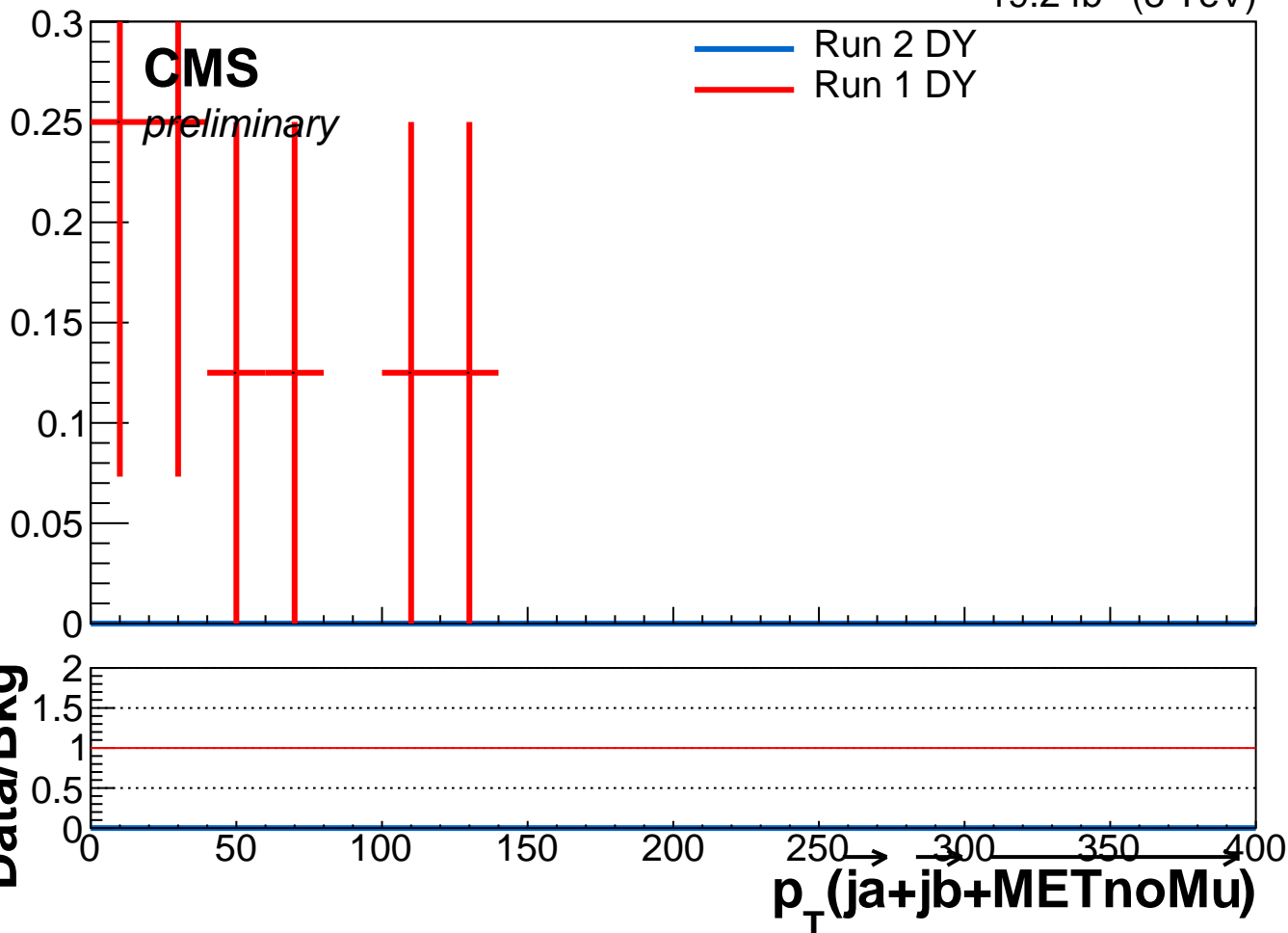
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

p_T (ja+jb+METnoMu)



19.2 fb⁻¹ (8 TeV)

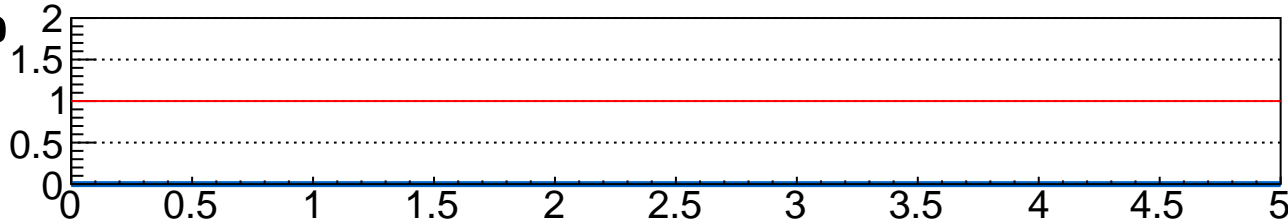
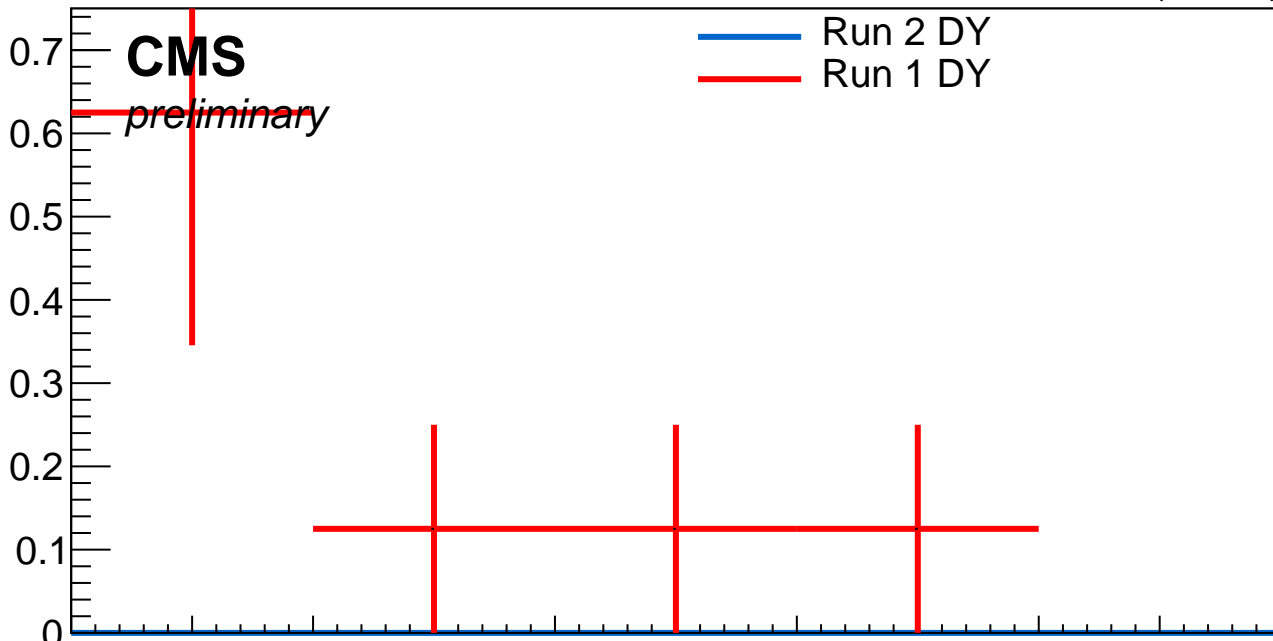
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

CJV jets (30 GeV)



19.2 fb⁻¹ (8 TeV)

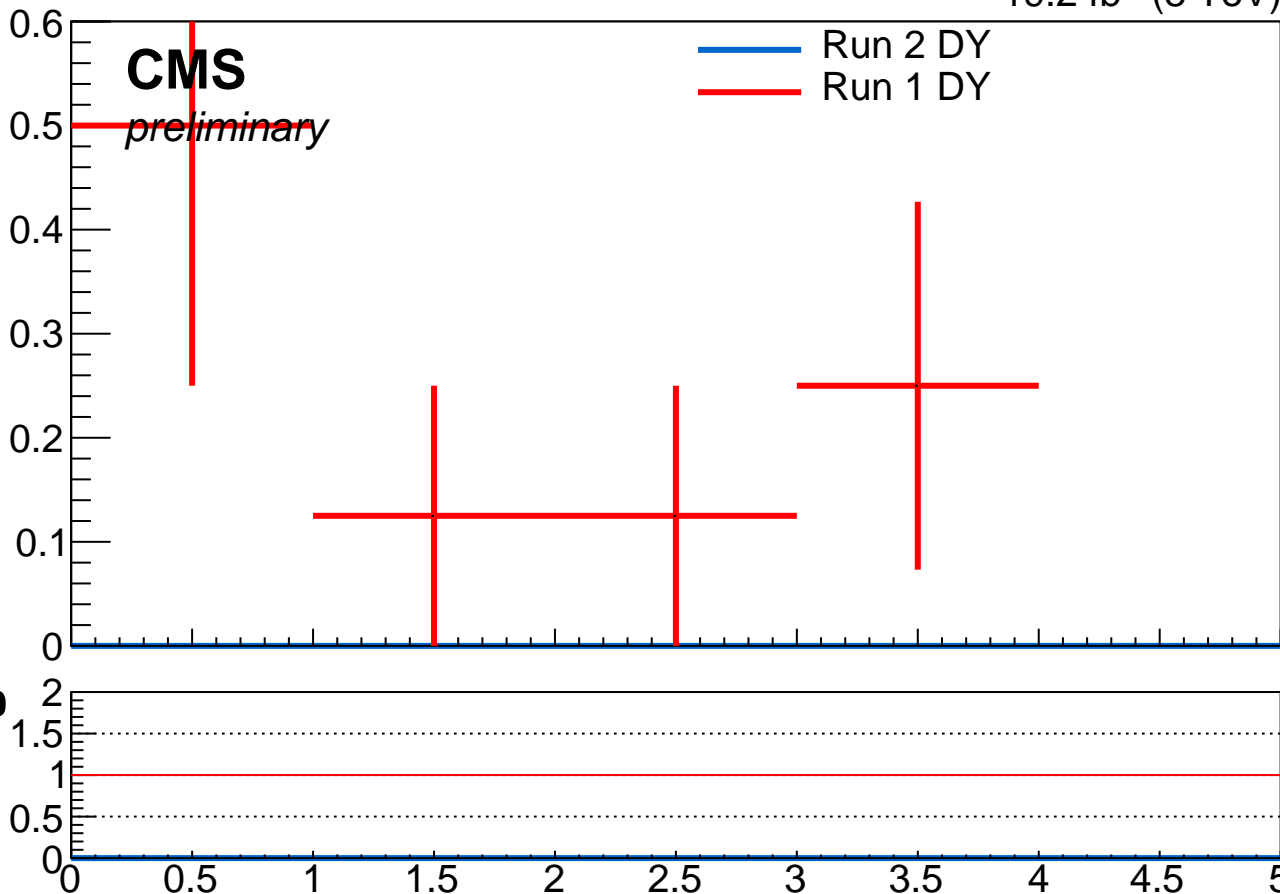
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

CJV jets (20 GeV EB, 30 GeV EE)



19.2 fb⁻¹ (8 TeV)

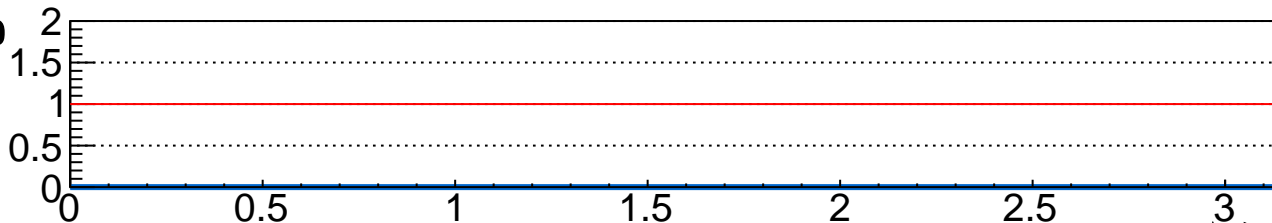
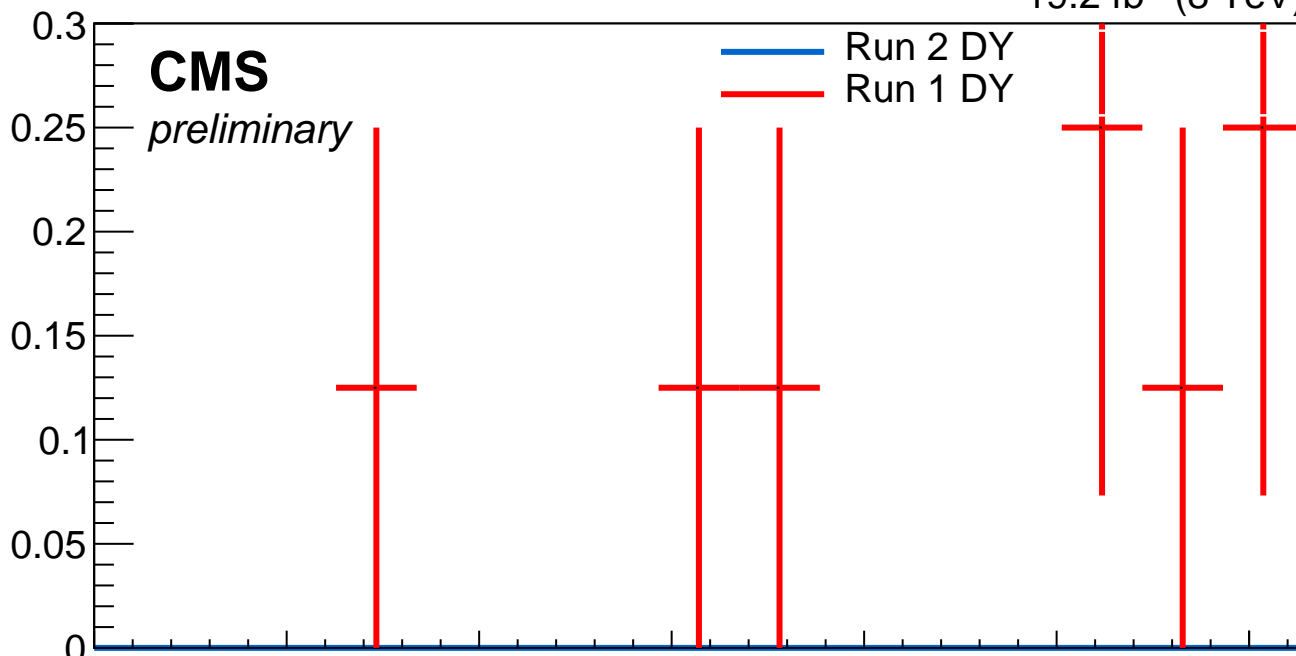
CMS

preliminary

— Run 2 DY
— Run 1 DY

Data/Bkg

$\Delta\phi_{jj}$



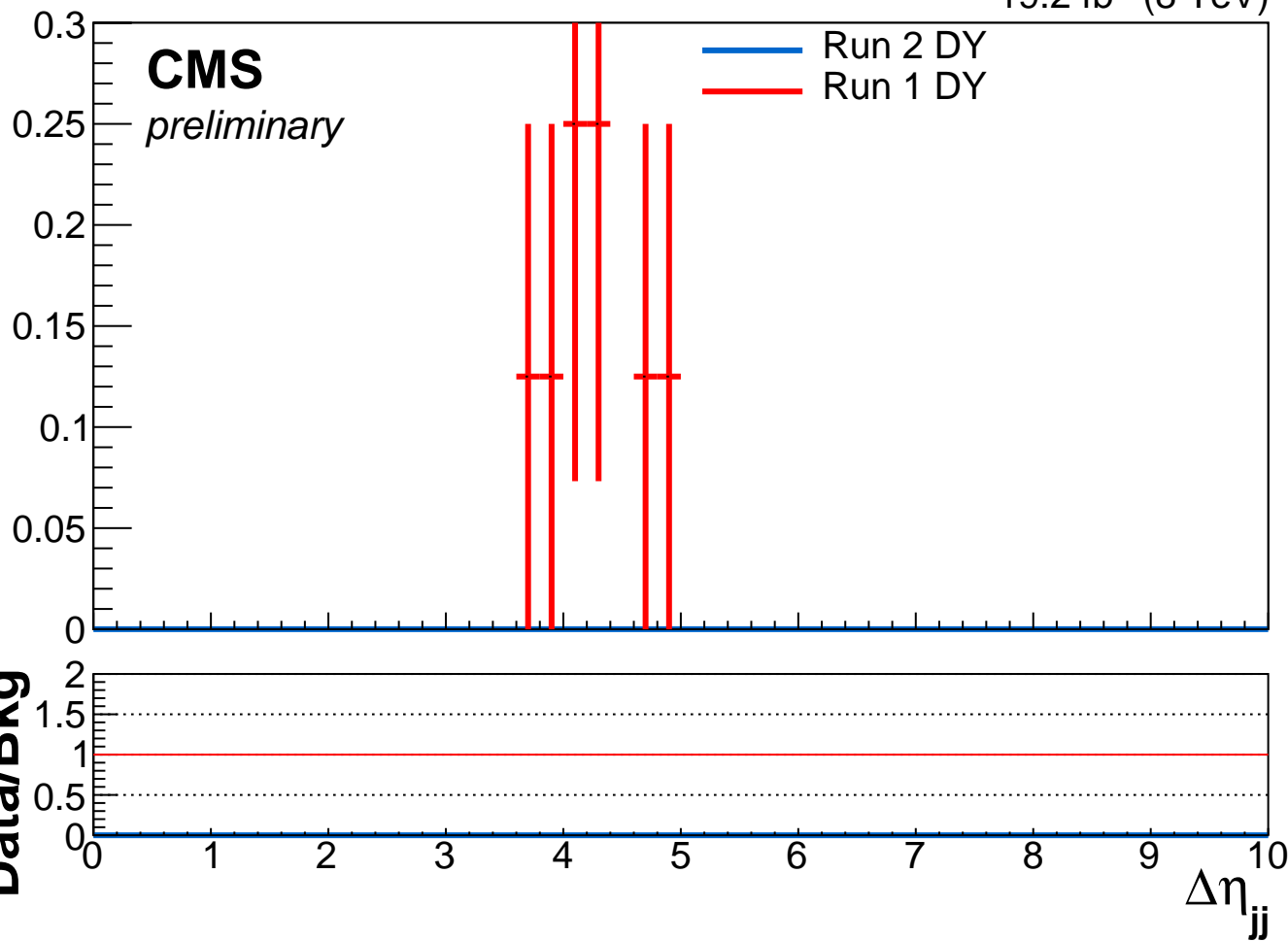
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

— Run 2 DY
— Run 1 DY

Data/Bkg

$\Delta\eta_{jj}$



19.2 fb⁻¹ (8 TeV)

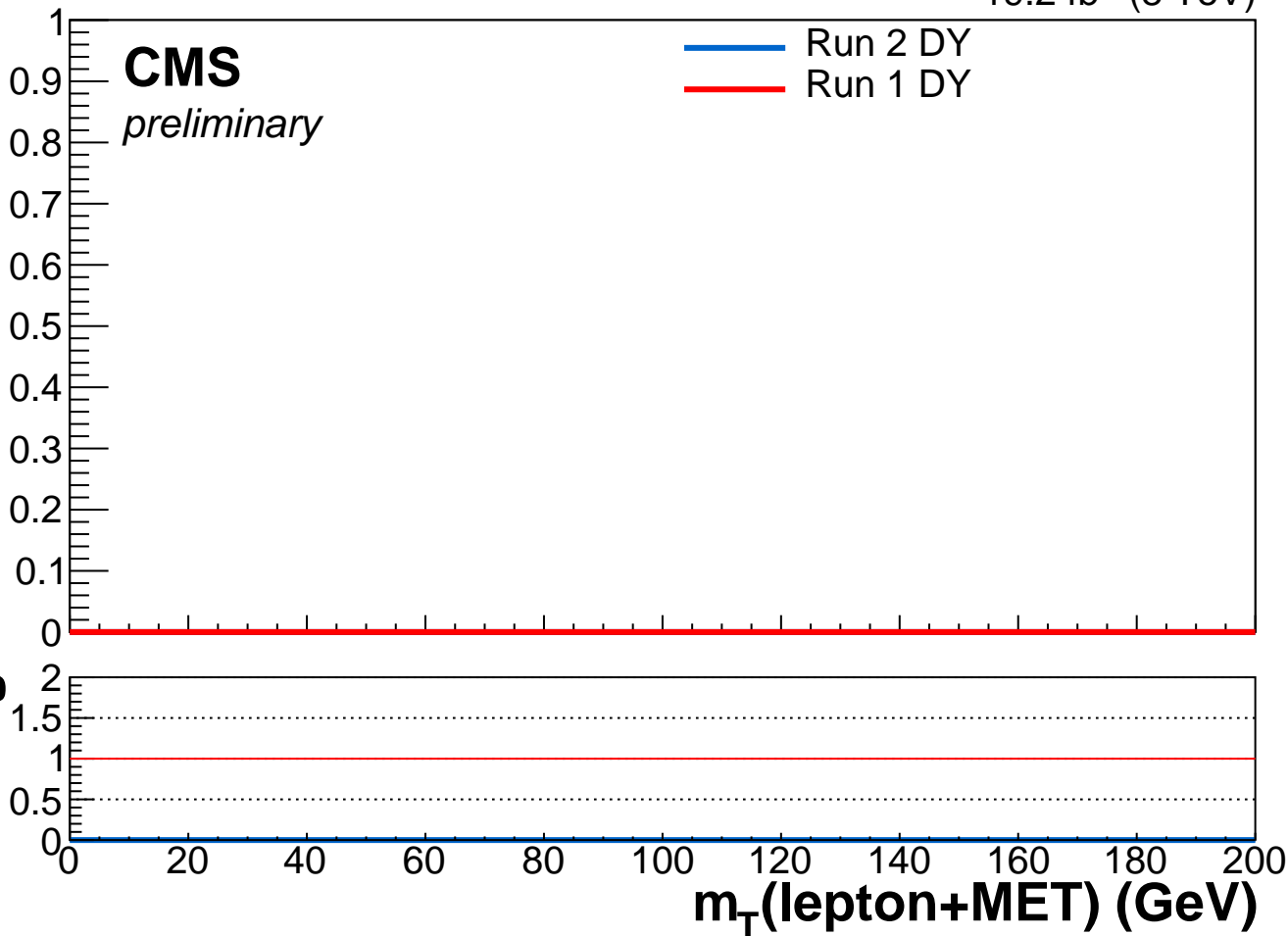
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$m_T(\text{lepton}+\text{MET})$ (GeV)



19.2 fb⁻¹ (8 TeV)

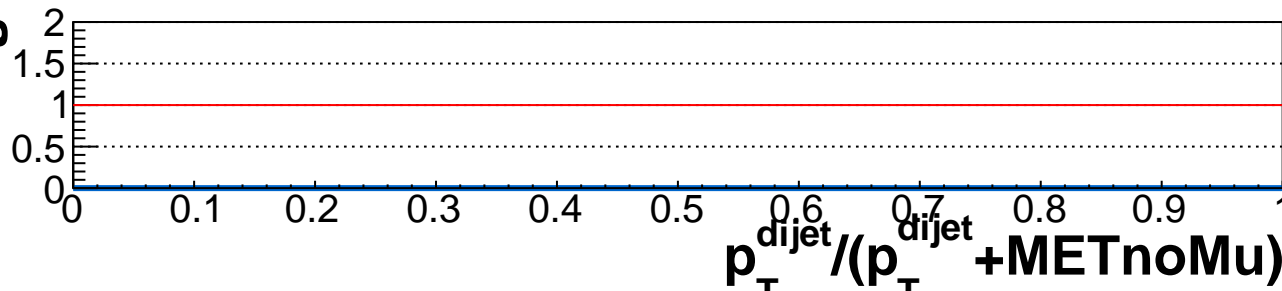
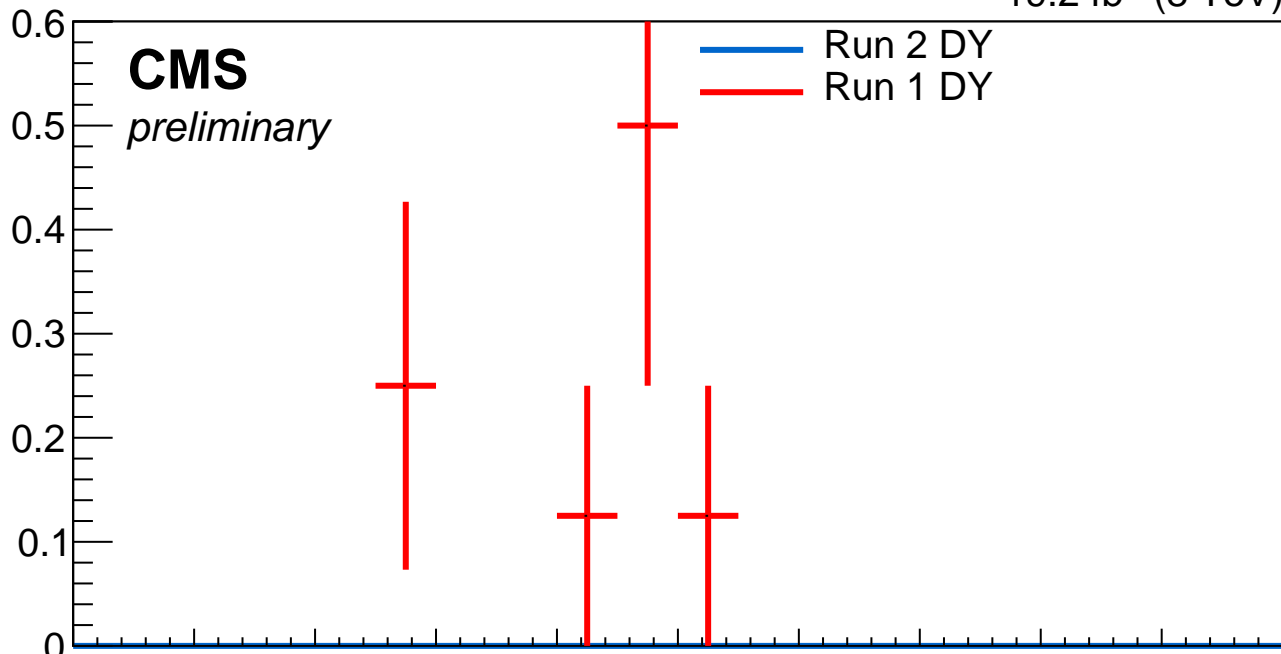
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$p_T^{\text{dijet}} / (p_T^{\text{dijet}} + \text{MET}_{\text{noMu}})$



19.2 fb⁻¹ (8 TeV)

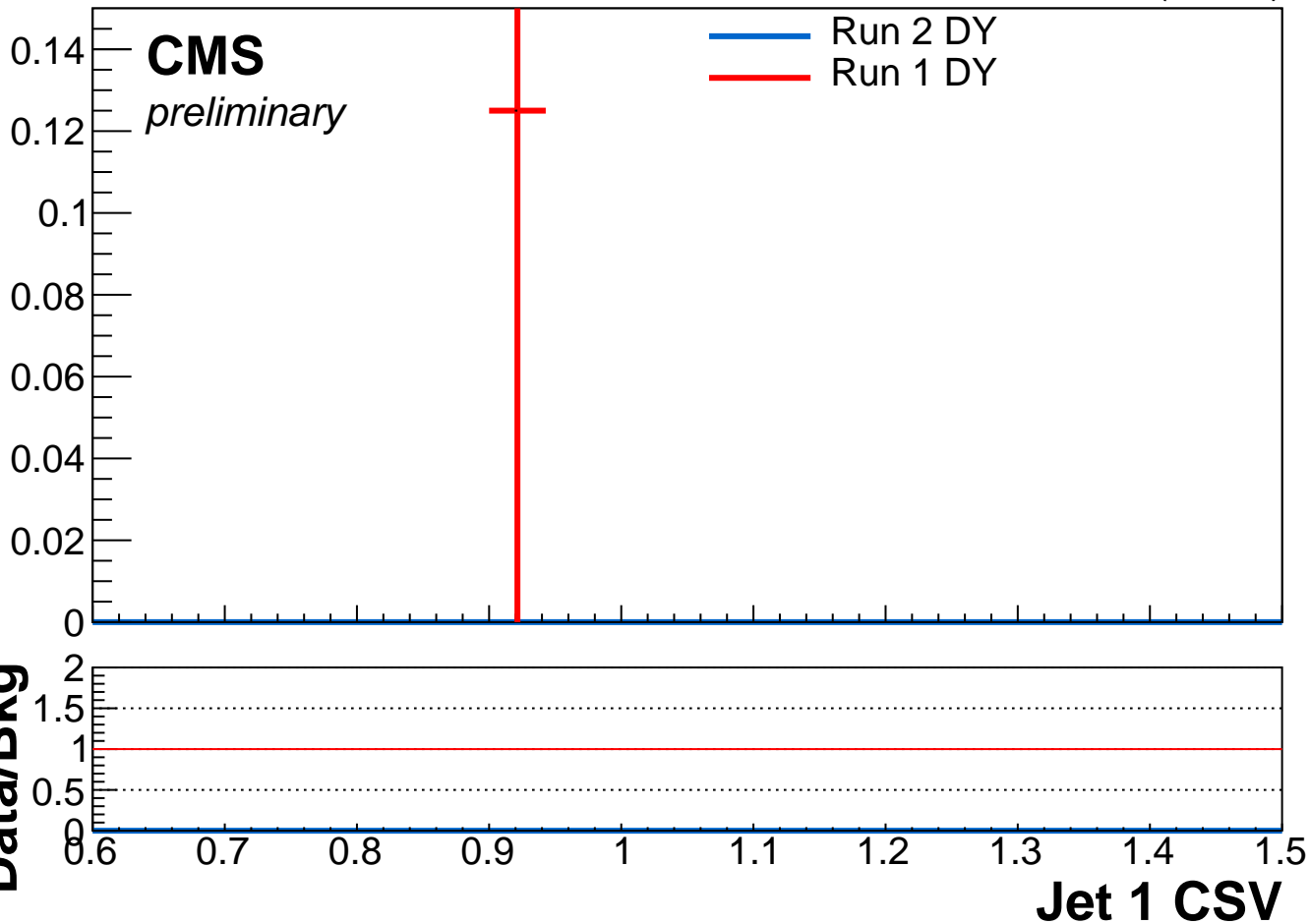
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Jet 1 CSV



19.2 fb⁻¹ (8 TeV)

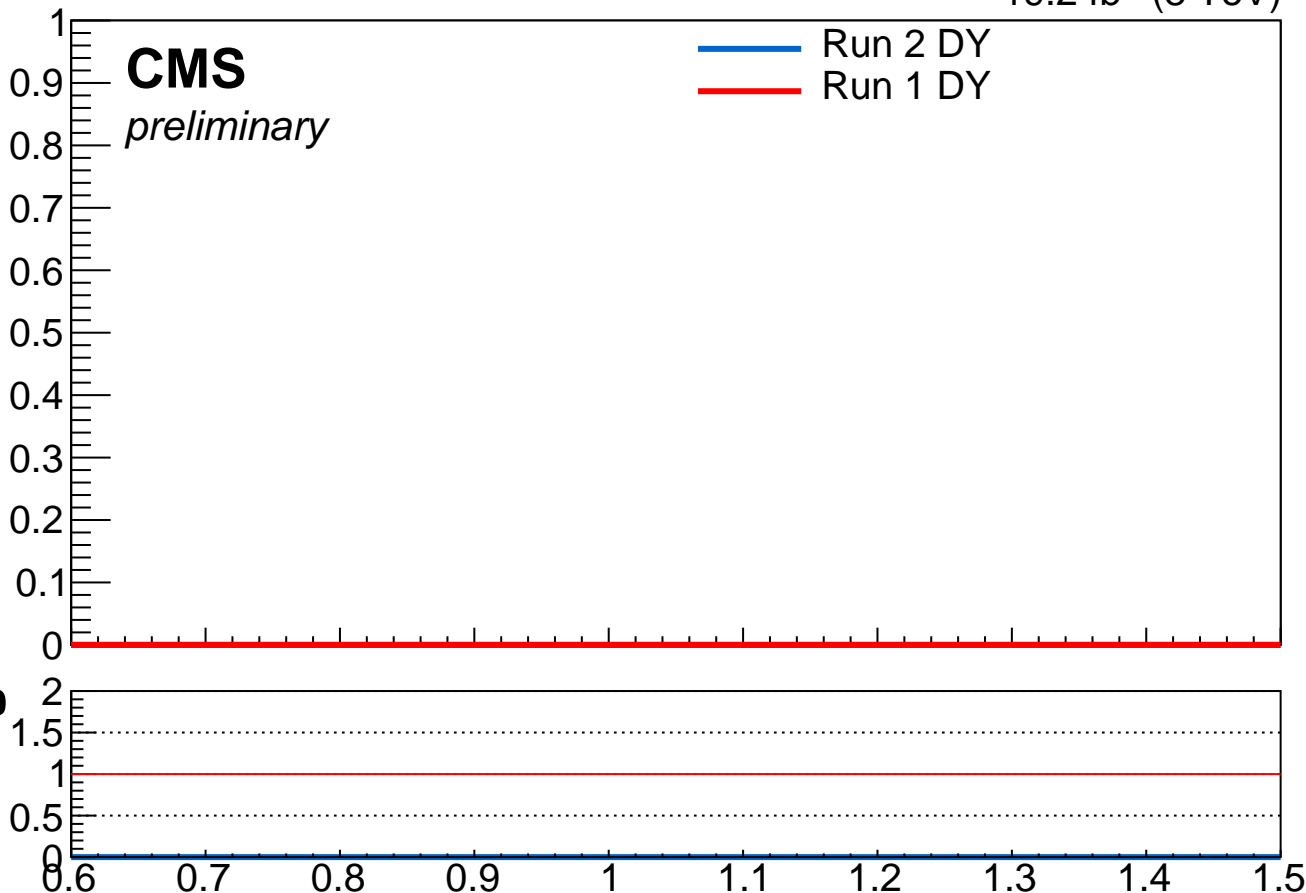
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Jet 2 CSV



19.2 fb⁻¹ (8 TeV)

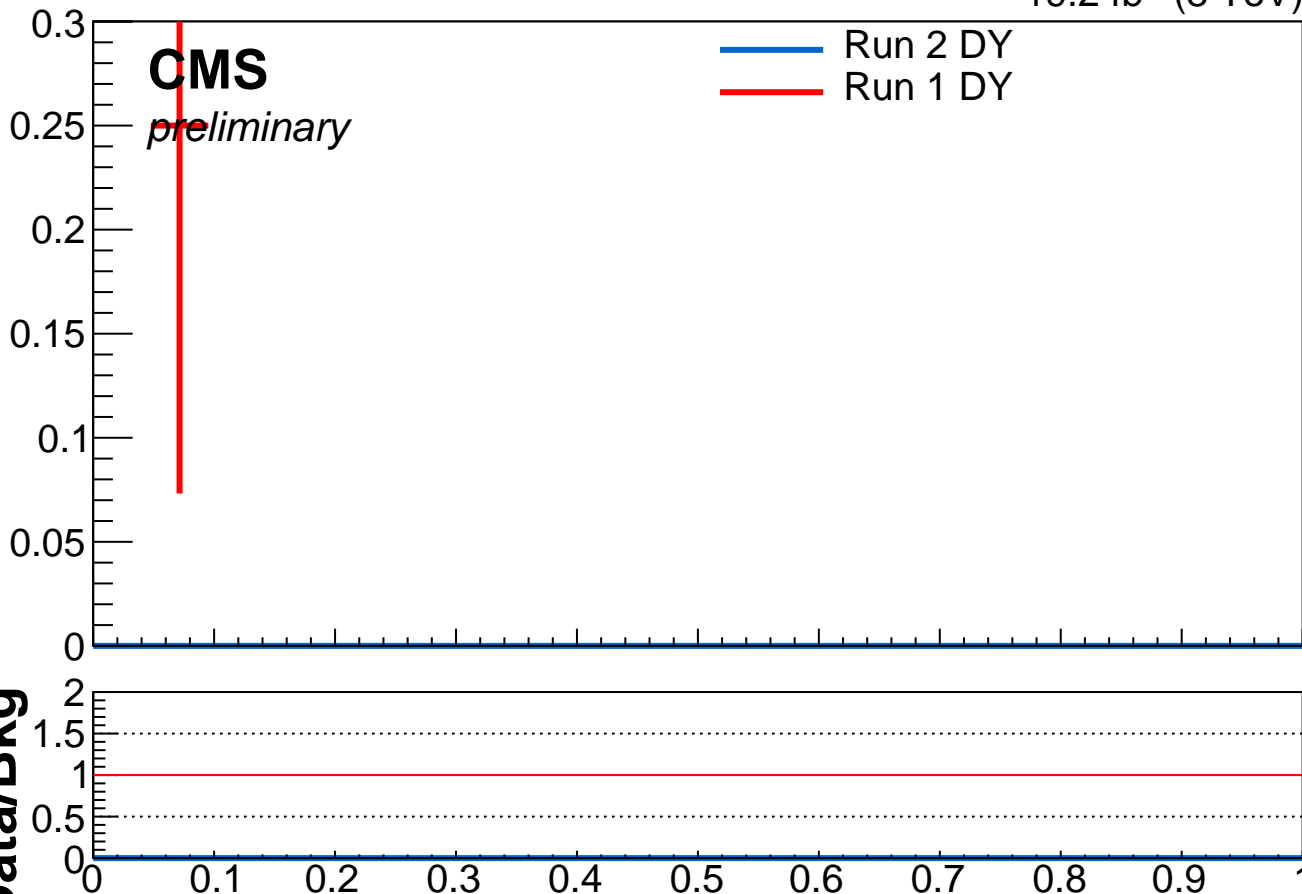
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Jet 3 CSV



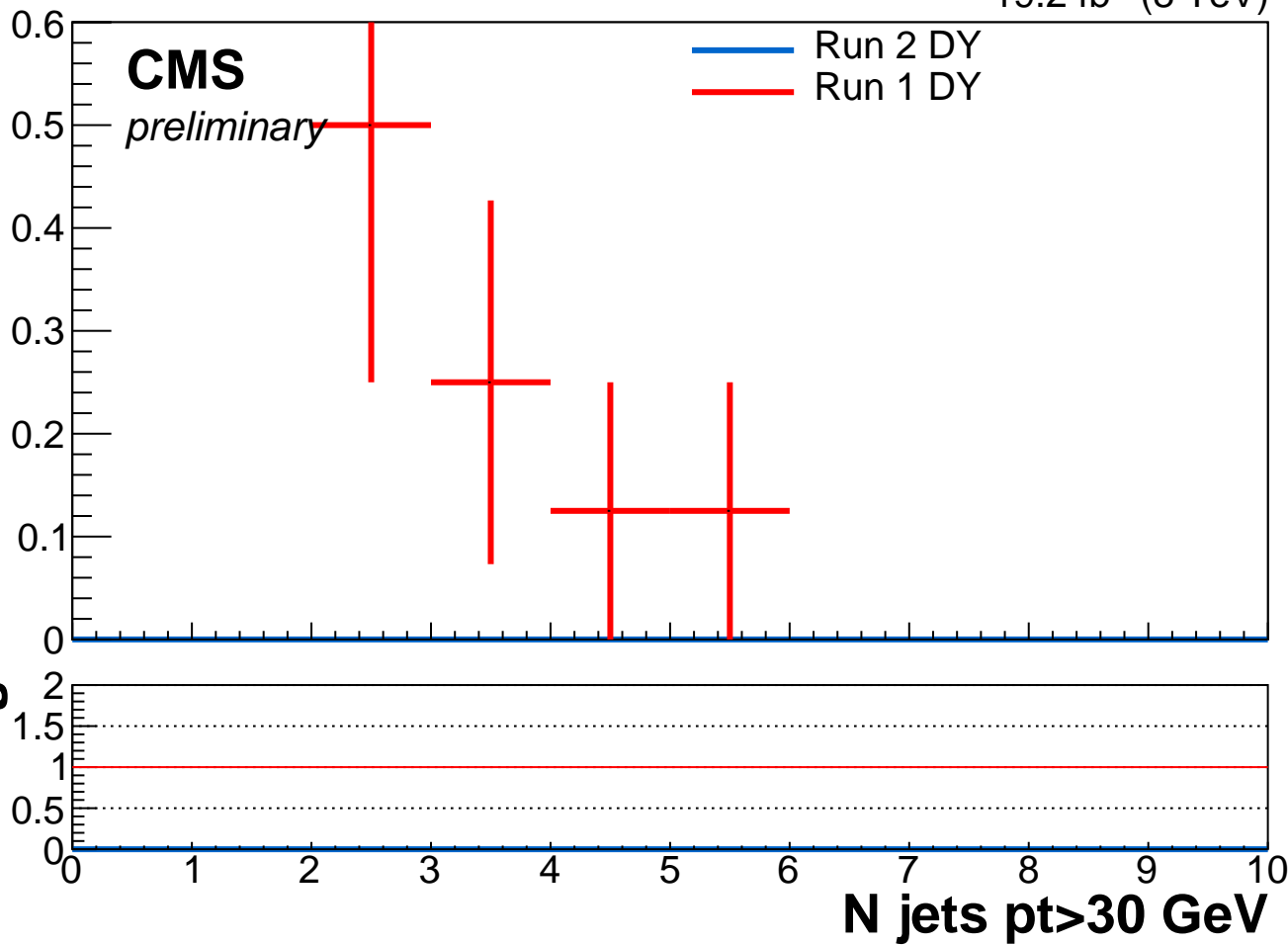
19.2 fb⁻¹ (8 TeV)

CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg



19.2 fb⁻¹ (8 TeV)

CMS

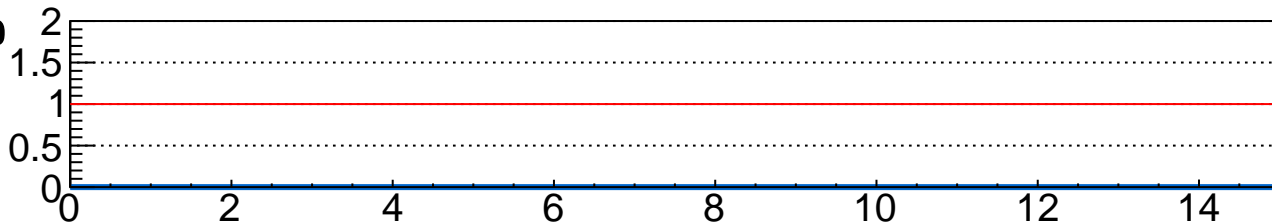
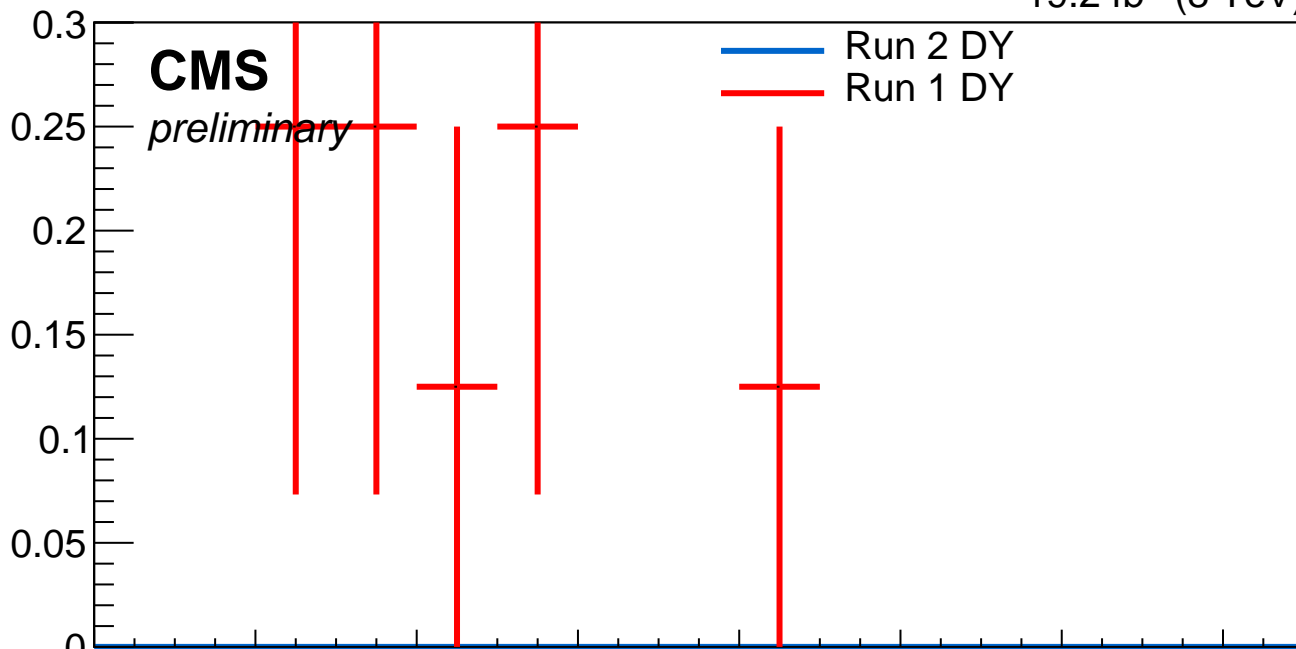
preliminary

Run 2 DY

Run 1 DY

Data/Bkg

N jets pt>15 GeV



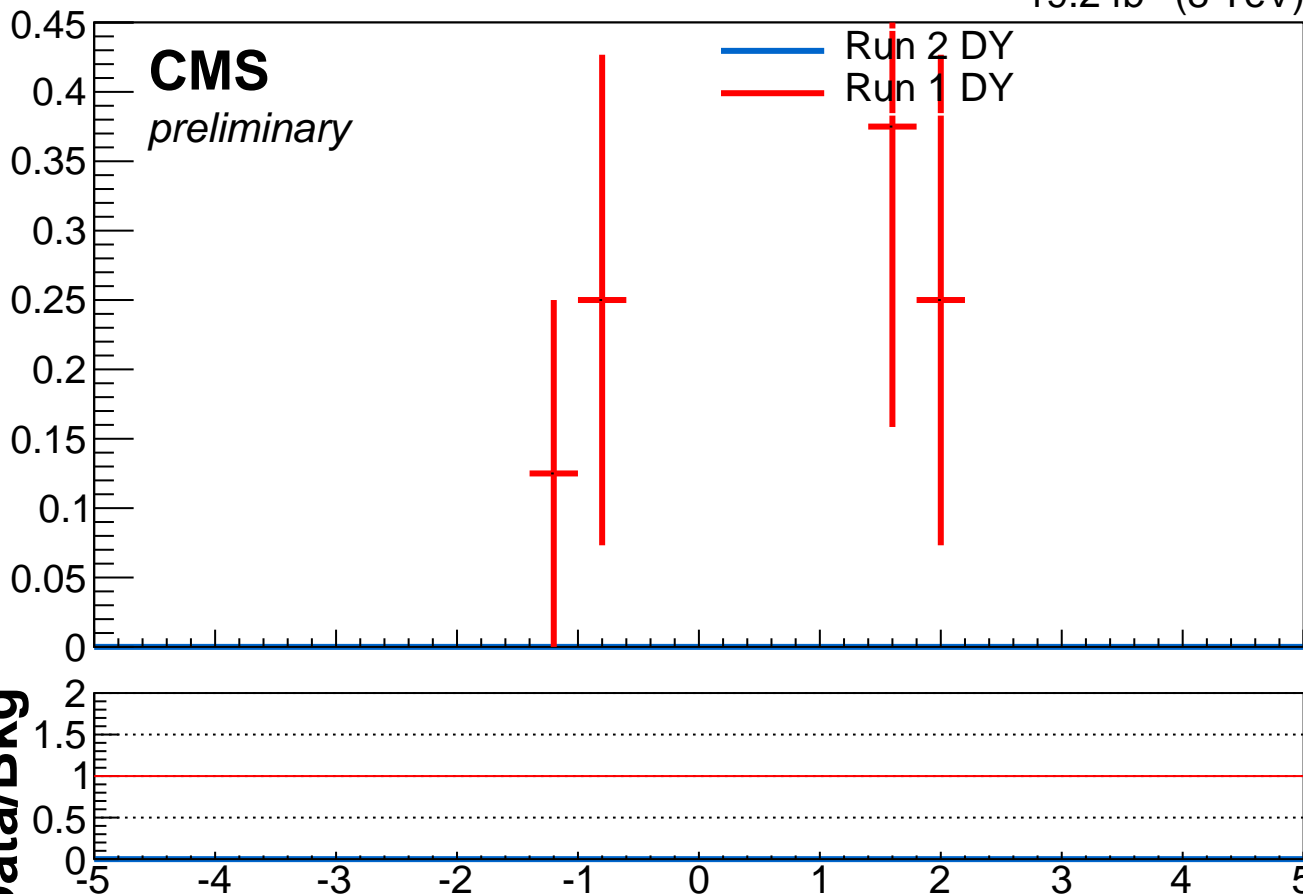
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Central tag jet η



19.2 fb⁻¹ (8 TeV)

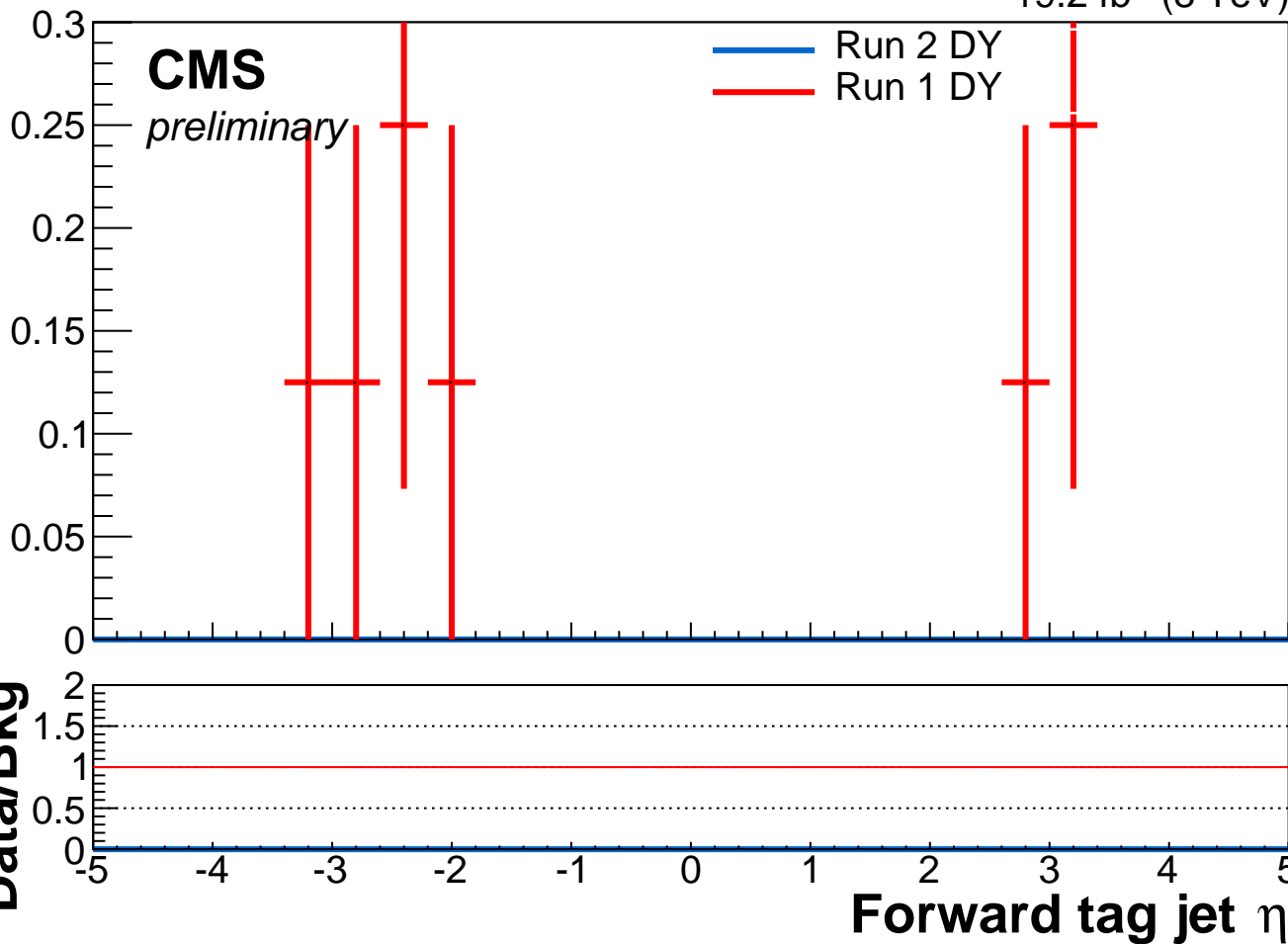
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Forward tag jet η



19.2 fb⁻¹ (8 TeV)

CMS

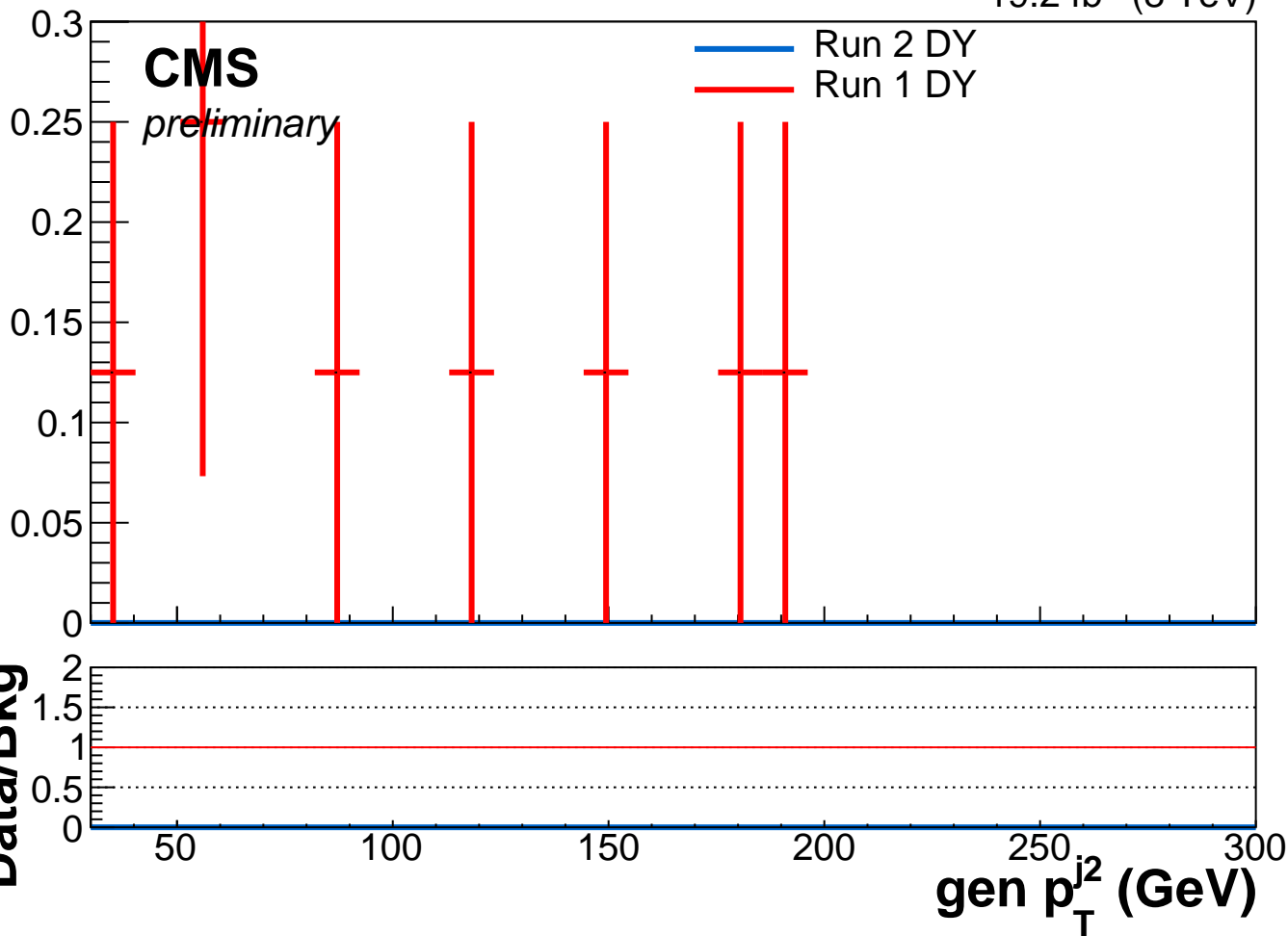
preliminary

Run 2 DY

Run 1 DY

Data/Bkg

gen p_T^{j2} (GeV)



19.2 fb⁻¹ (8 TeV)

CMS

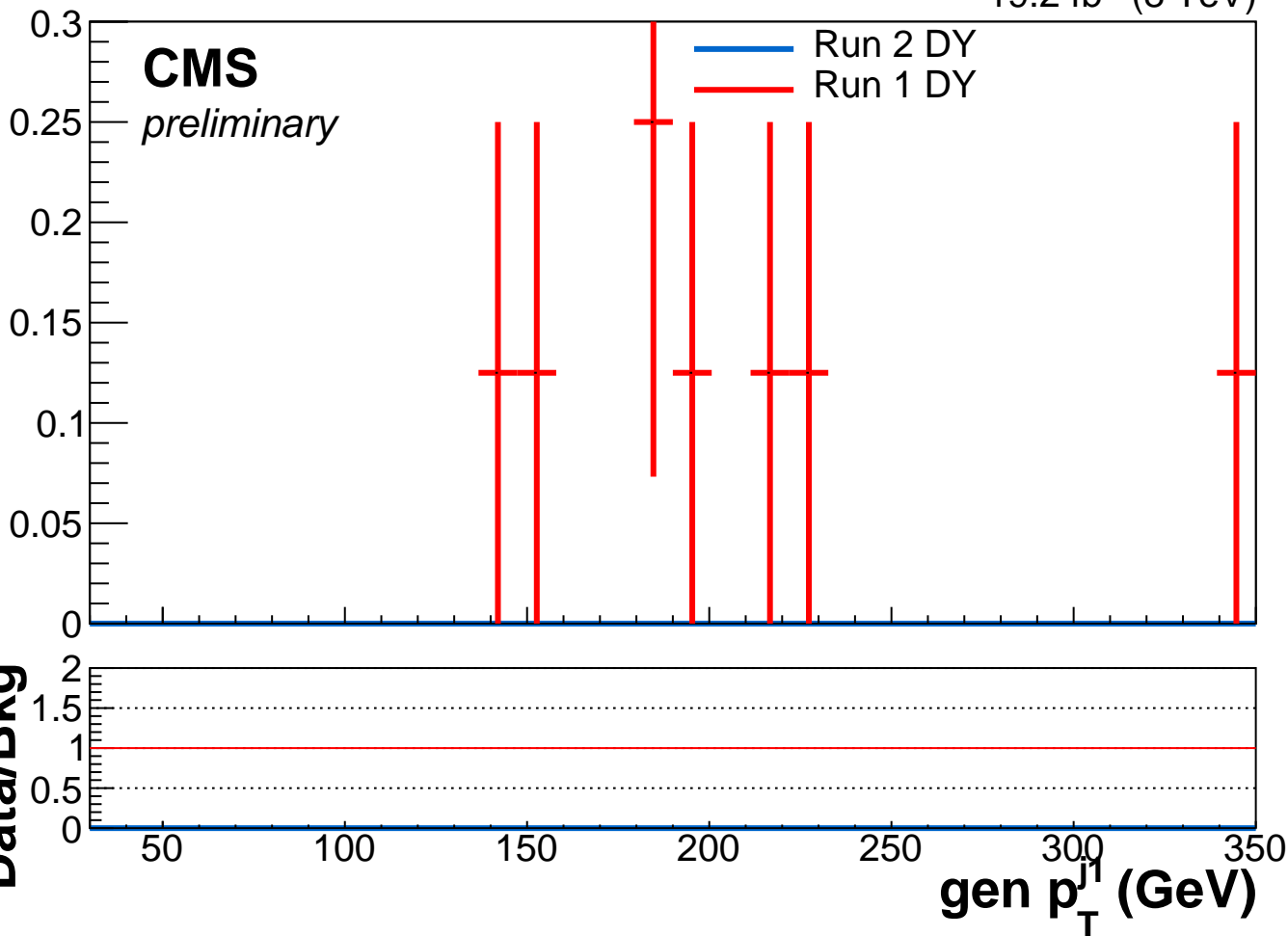
preliminary

Run 2 DY

Run 1 DY

Data/Bkg

gen p_T^{J1} (GeV)



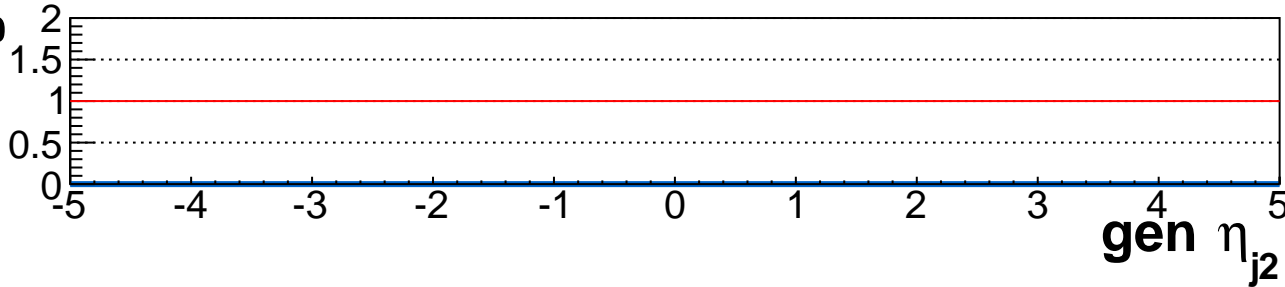
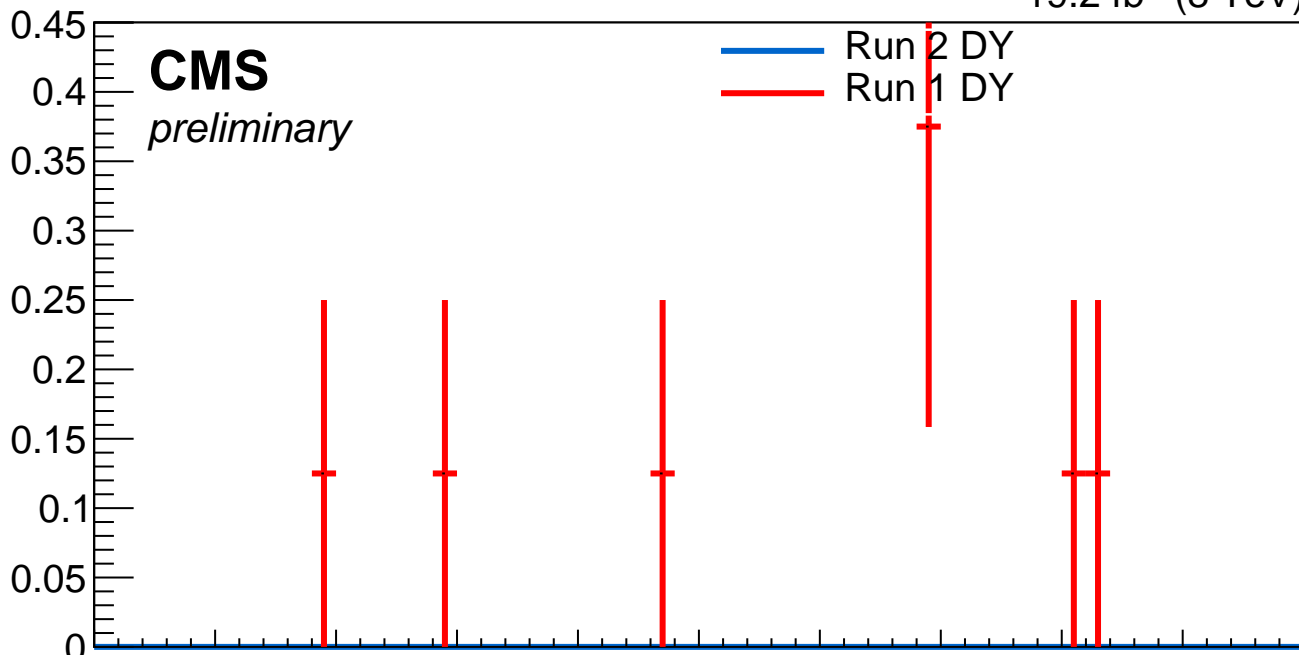
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen η_{j2}



19.2 fb⁻¹ (8 TeV)

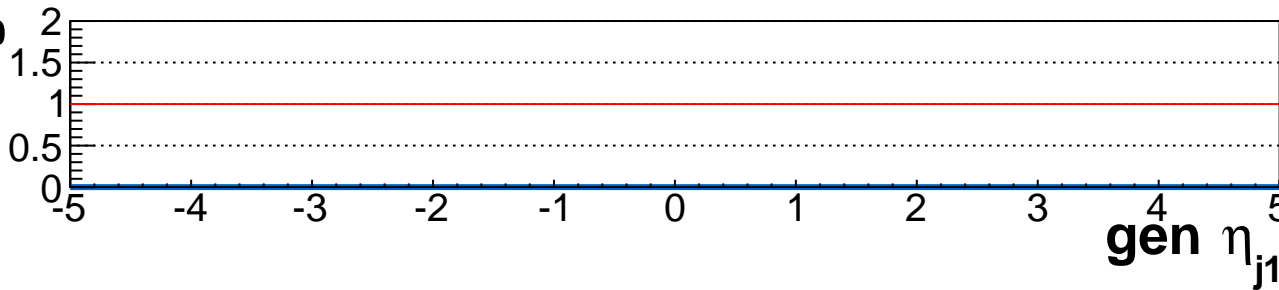
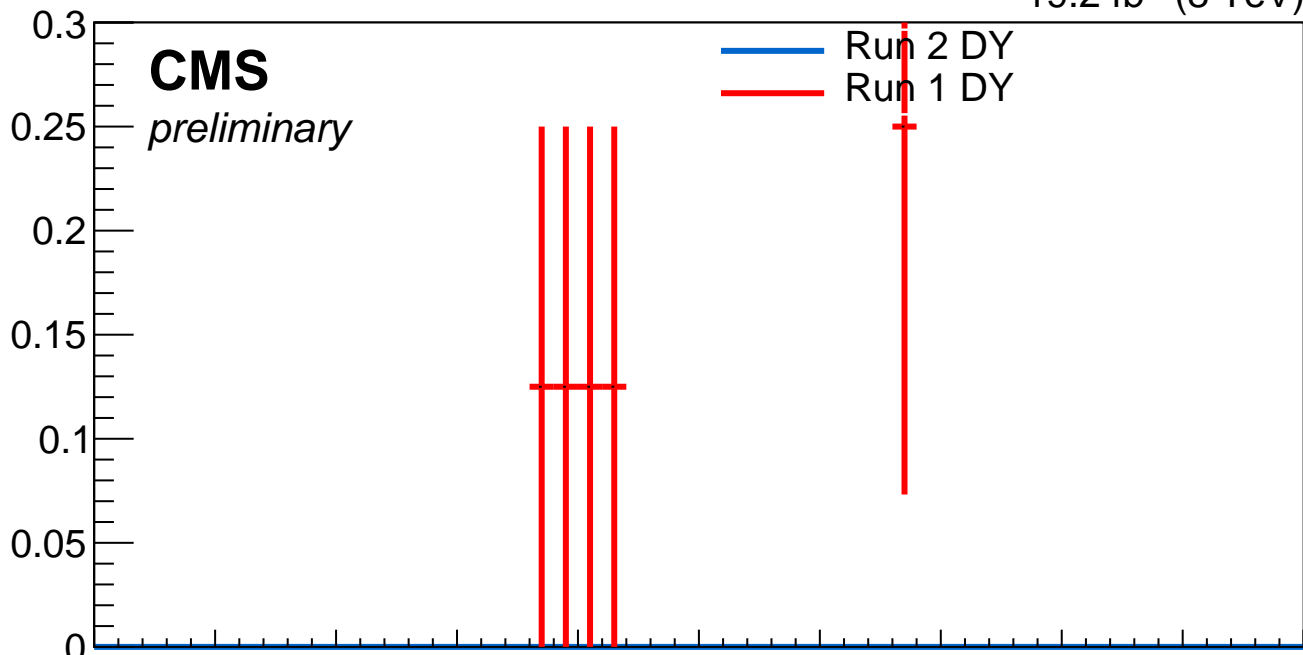
CMS

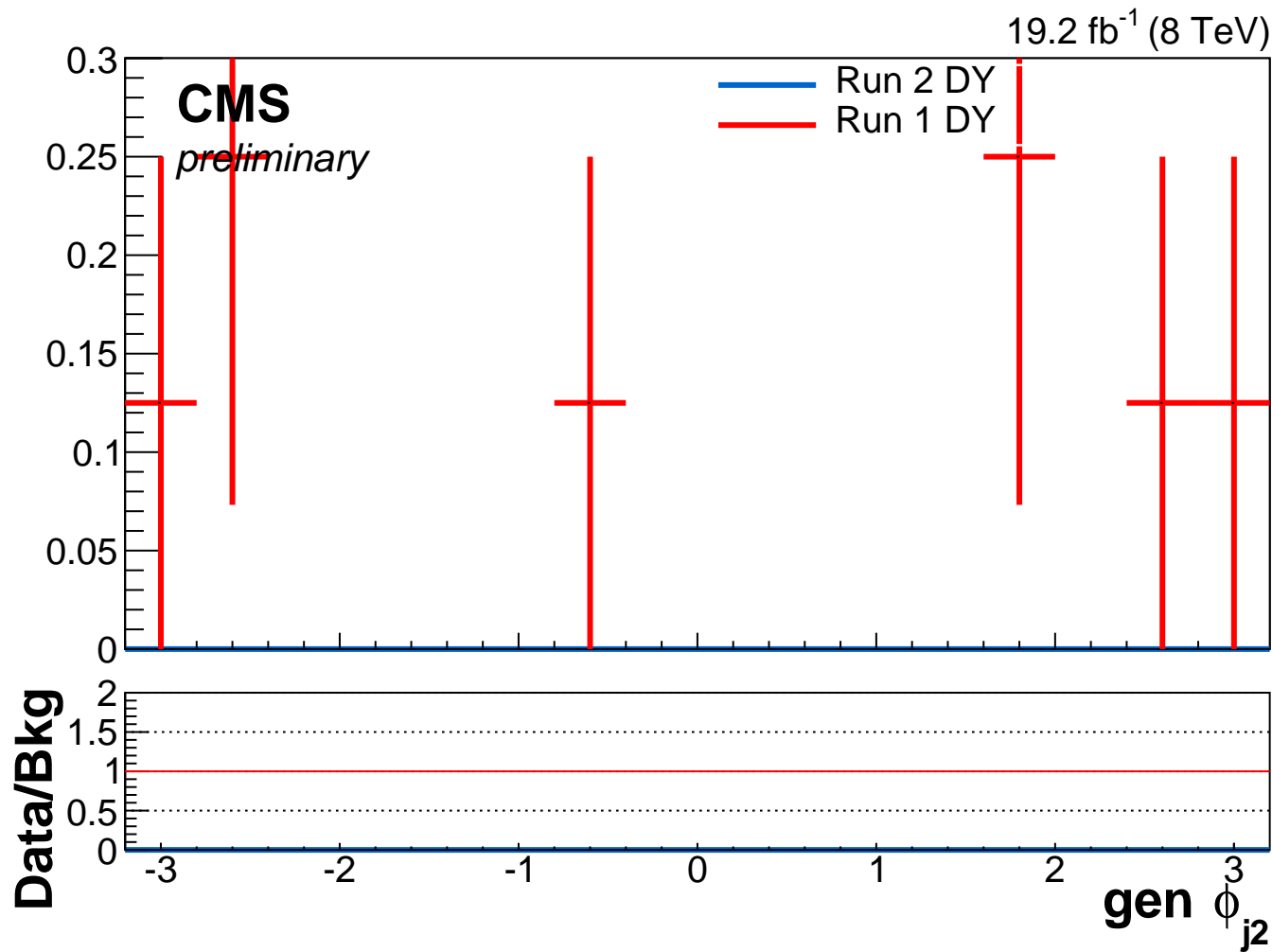
preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen η_{j1}





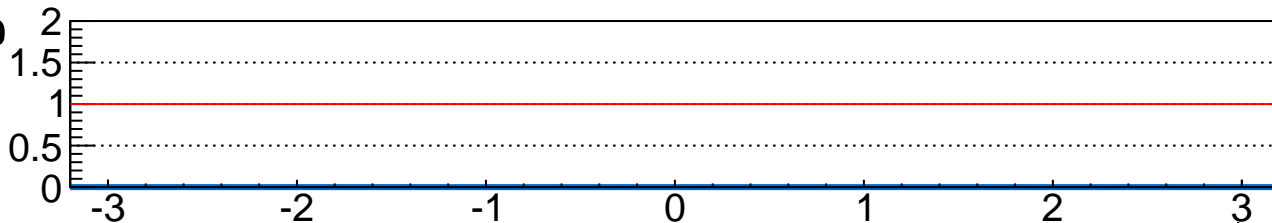
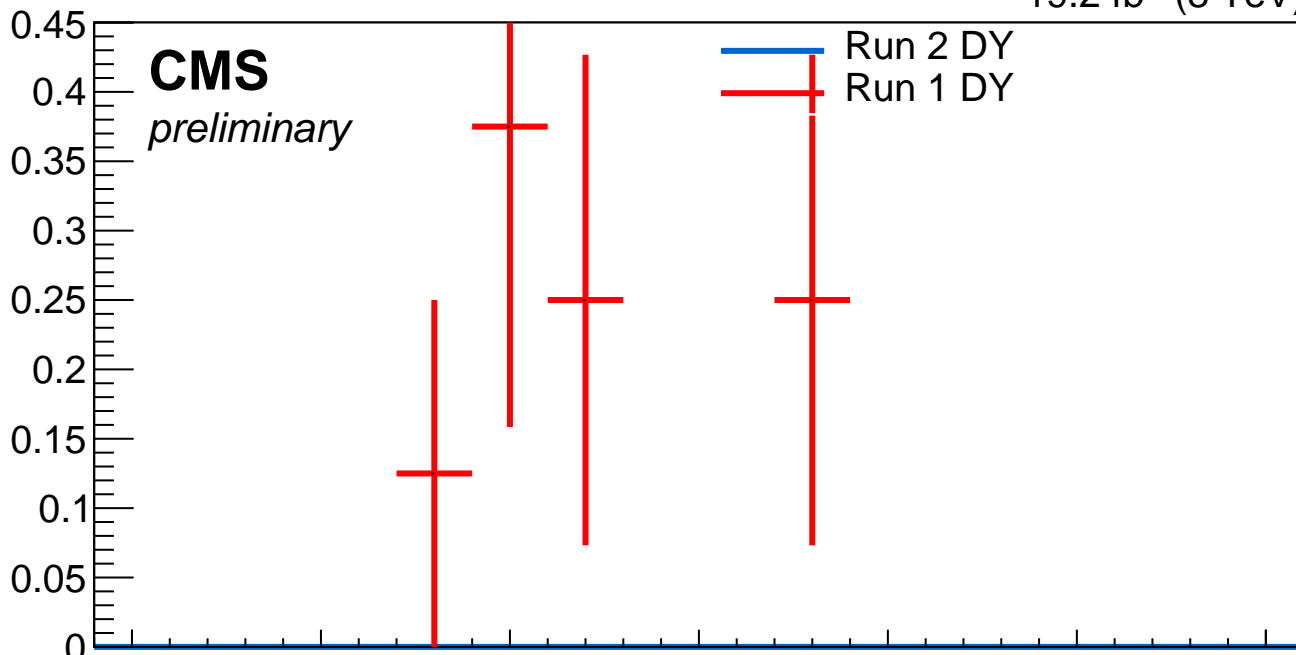
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen ϕ_{j1}



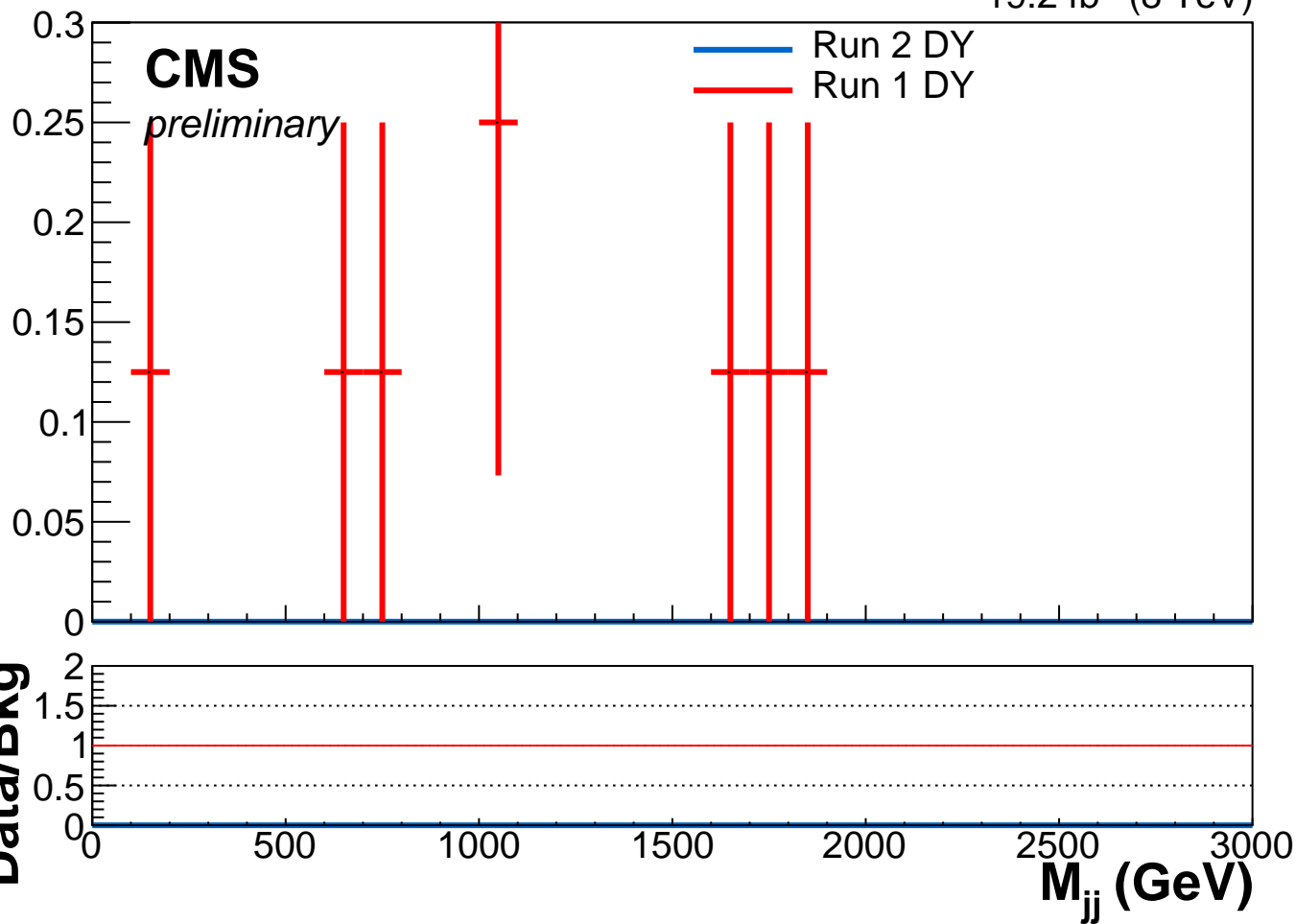
19.2 fb⁻¹ (8 TeV)

CMS

preliminary

— Run 2 DY
— Run 1 DY

Data/Bkg

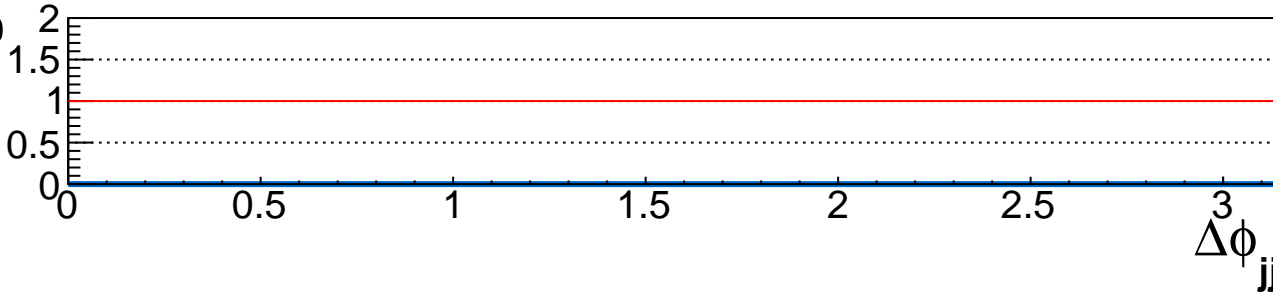
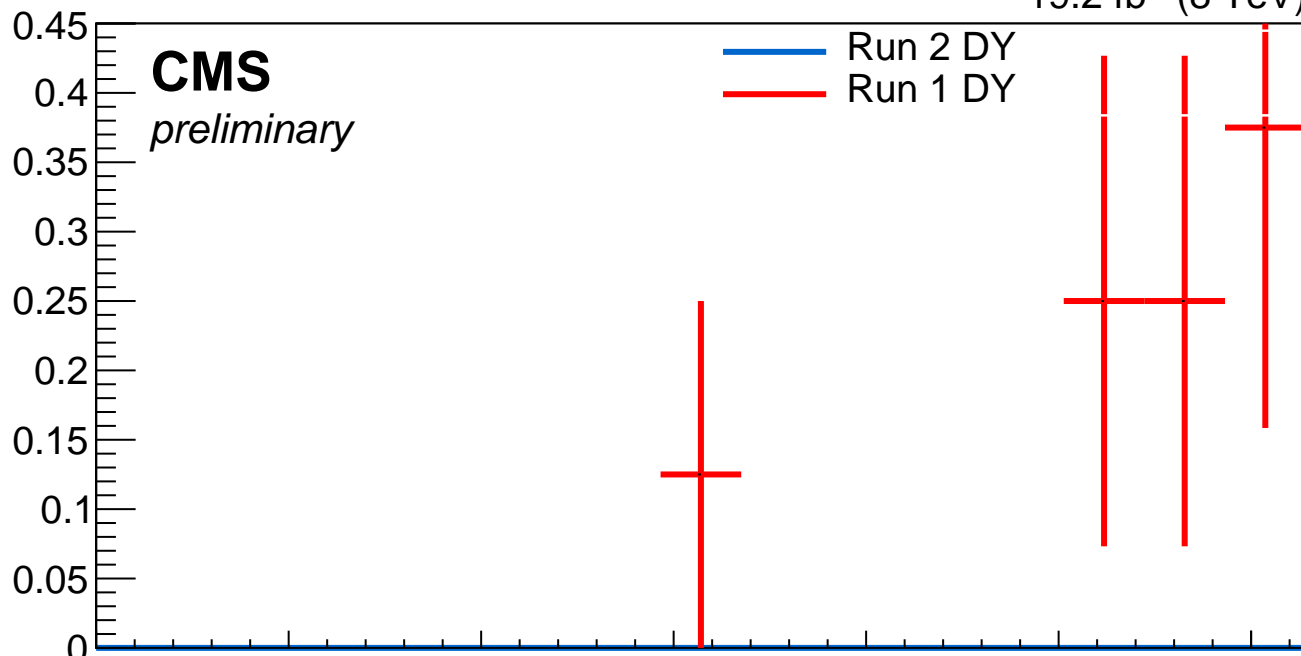


19.2 fb⁻¹ (8 TeV)

CMS
preliminary

— Run 2 DY
— Run 1 DY

Data/Bkg



19.2 fb⁻¹ (8 TeV)

CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$\Delta\eta_{jj}$

