

19.2 fb⁻¹ (8 TeV)

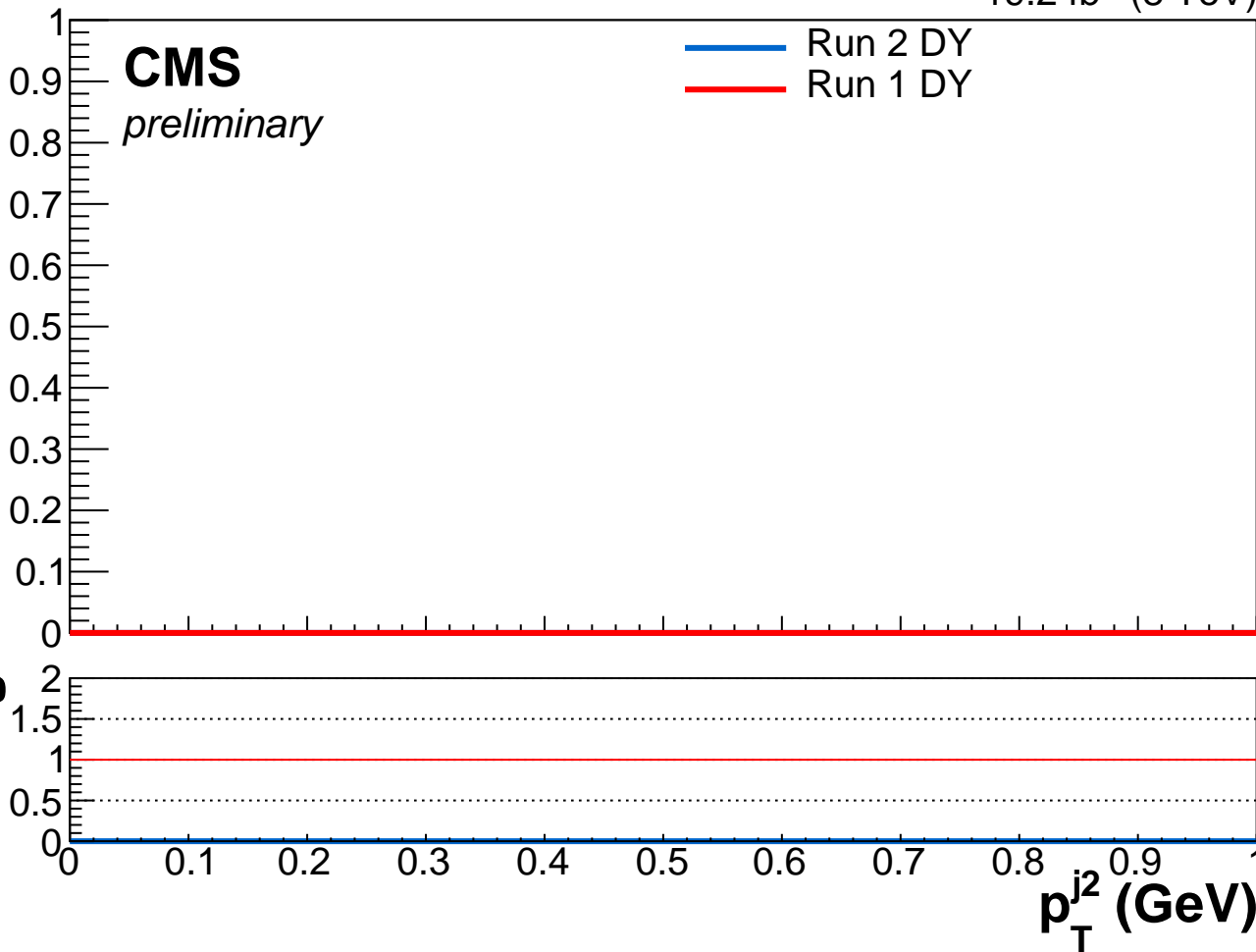
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

p_T^{j2} (GeV)



19.2 fb⁻¹ (8 TeV)

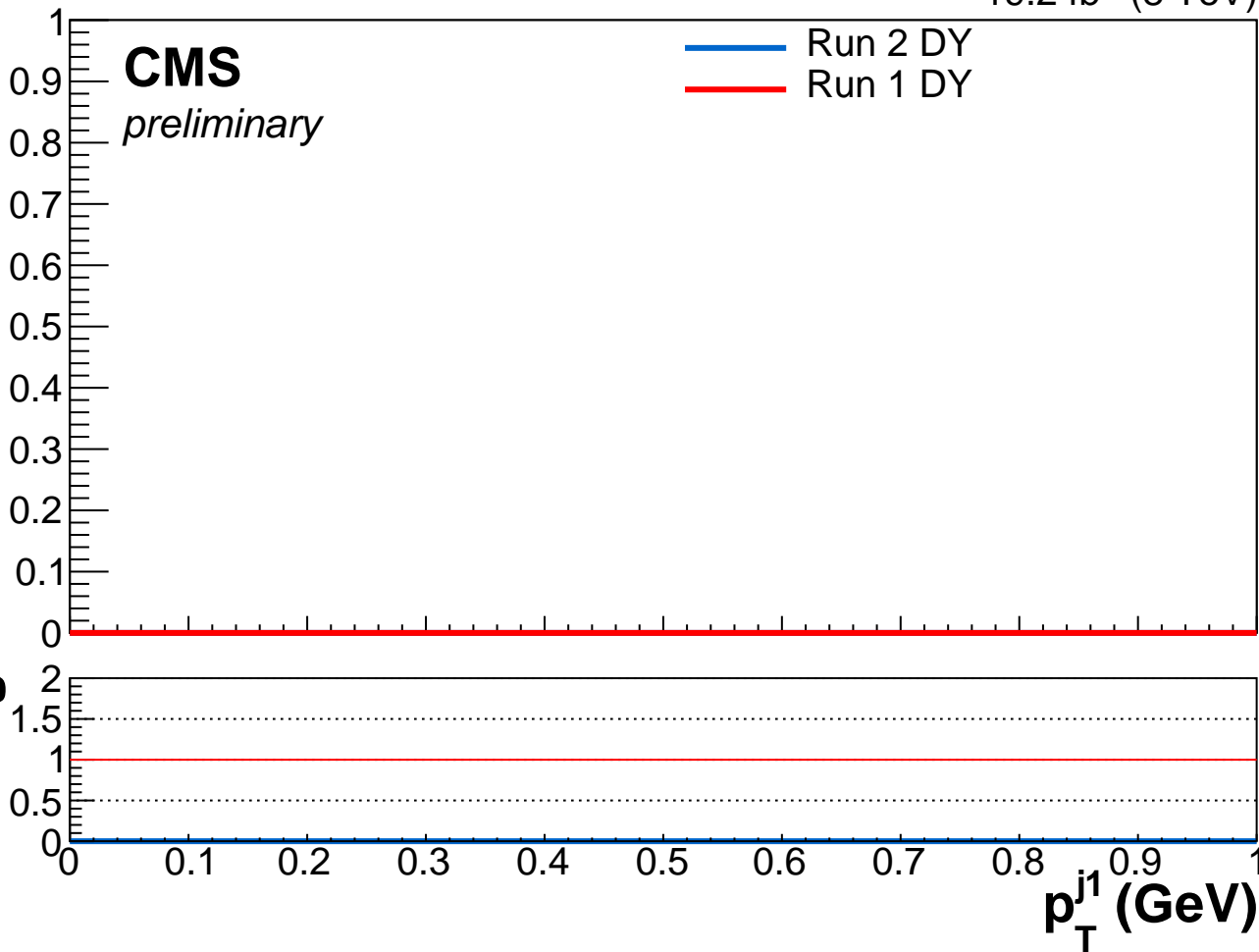
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

p_T^{j1} (GeV)



19.2 fb⁻¹ (8 TeV)

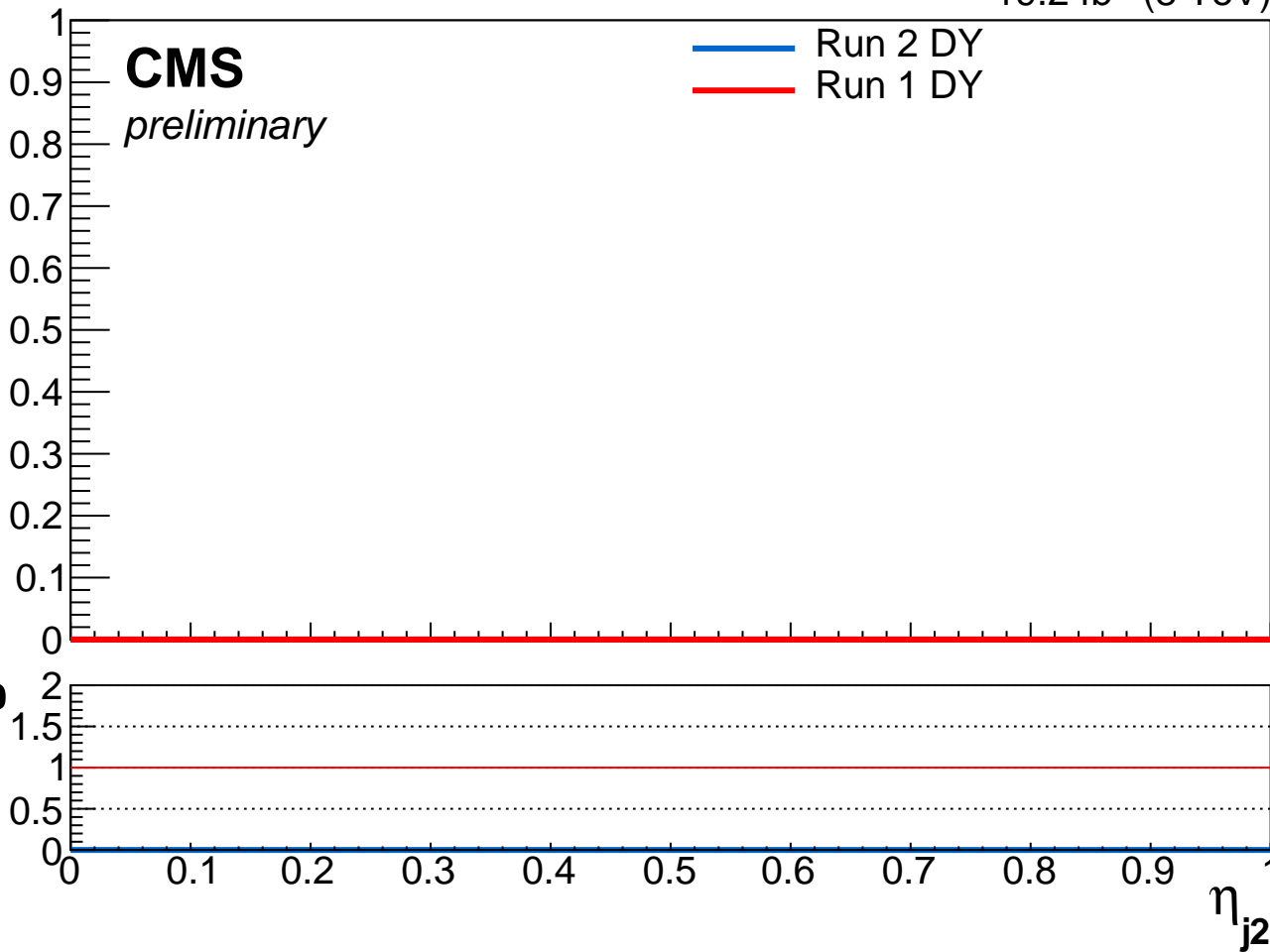
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

η_{j2}



19.2 fb⁻¹ (8 TeV)

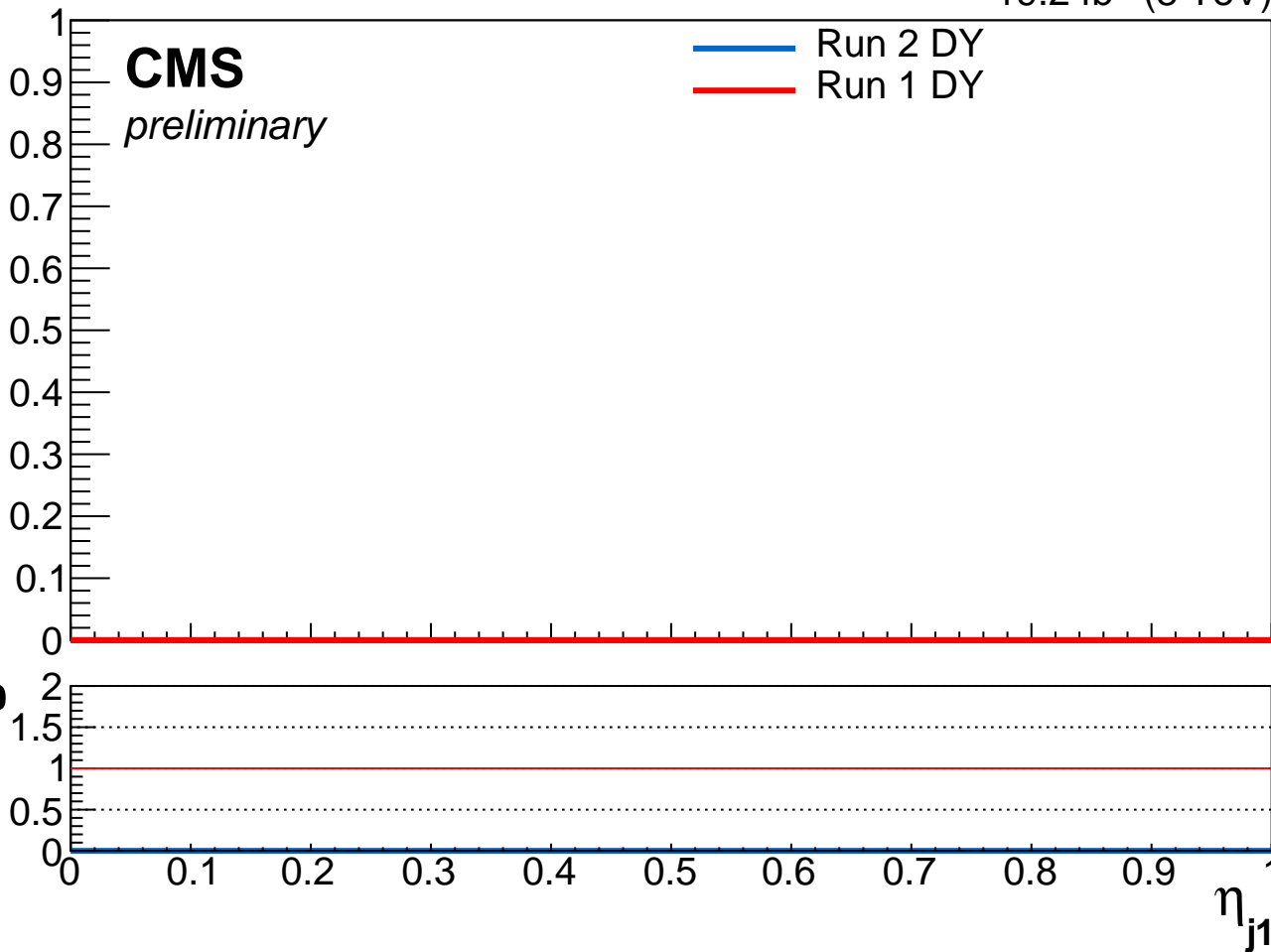
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

η_{j1}



19.2 fb⁻¹ (8 TeV)

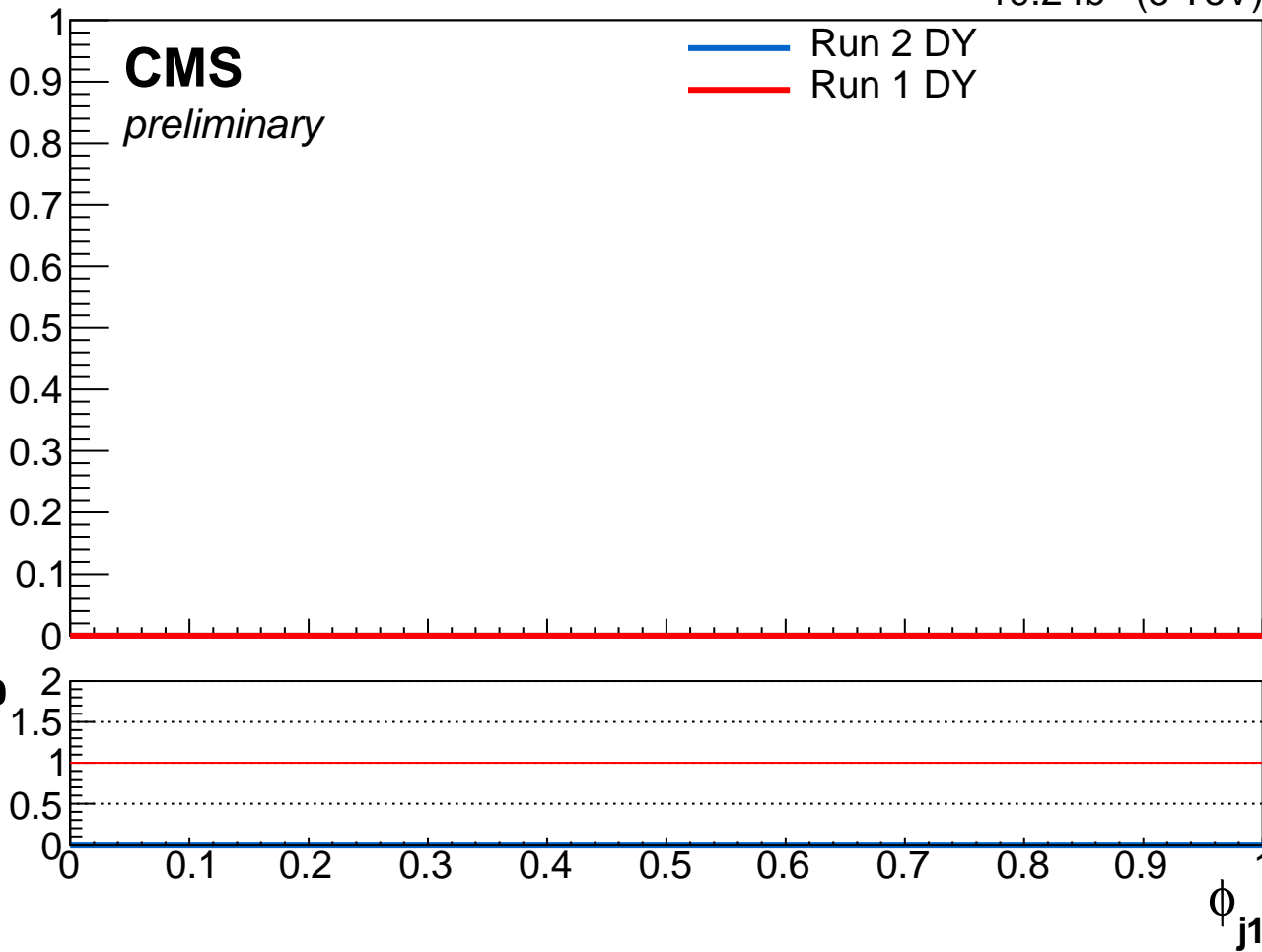
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

ϕ_{j1}



19.2 fb⁻¹ (8 TeV)

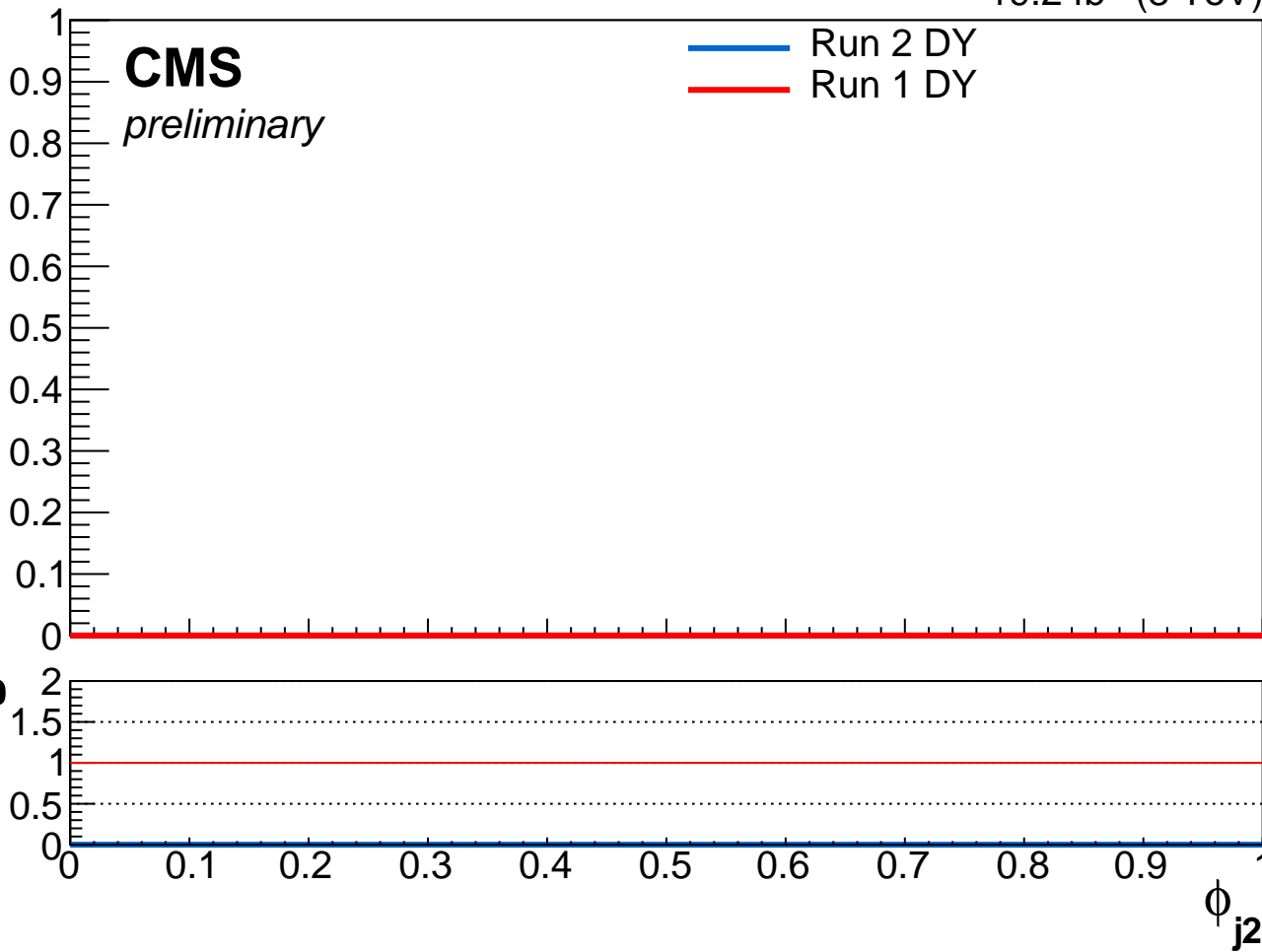
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

ϕ_{j2}



19.2 fb⁻¹ (8 TeV)

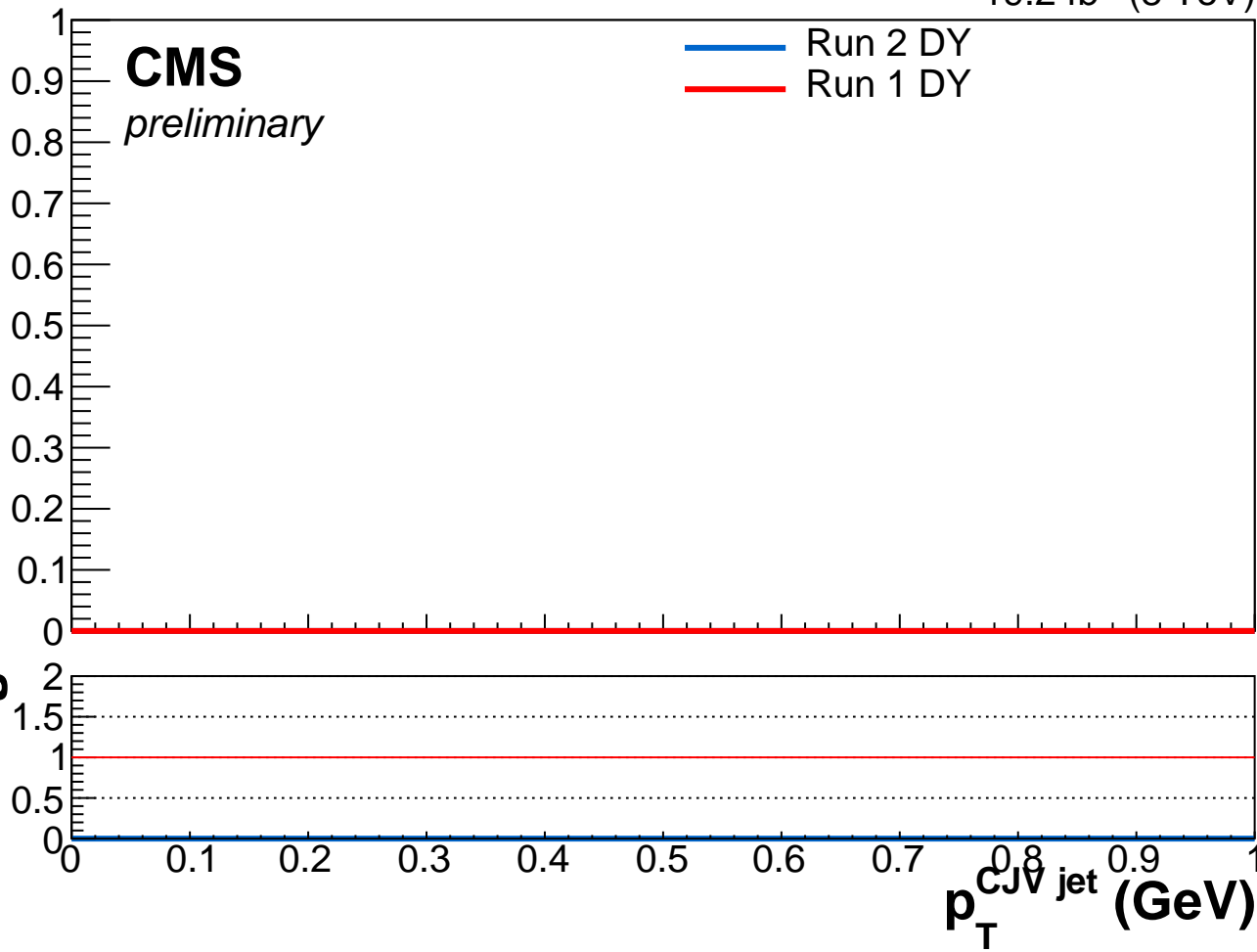
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$p_{\text{T}}^{\text{CJ, jet}}$ (GeV)



19.2 fb⁻¹ (8 TeV)

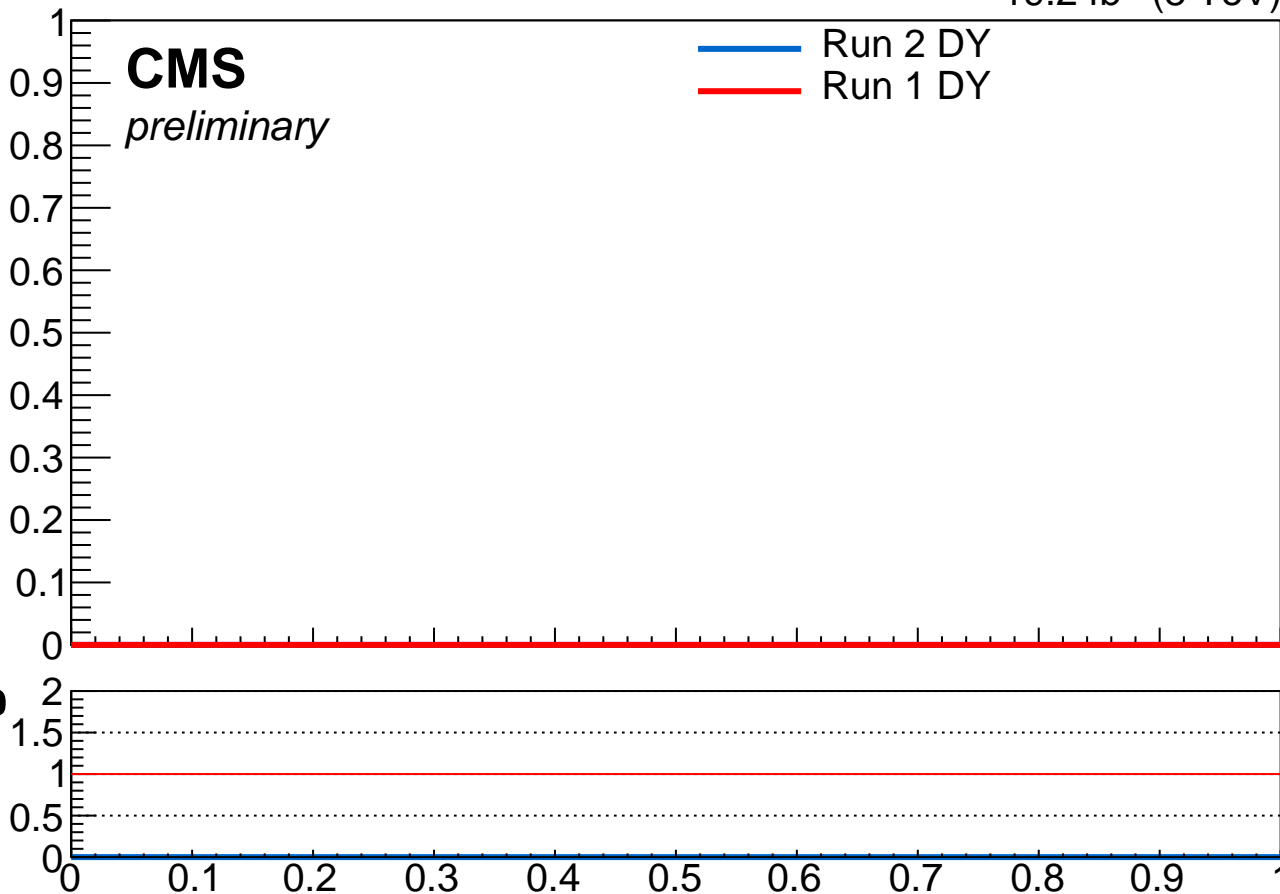
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Missing transverse energy (GeV)



19.2 fb⁻¹ (8 TeV)

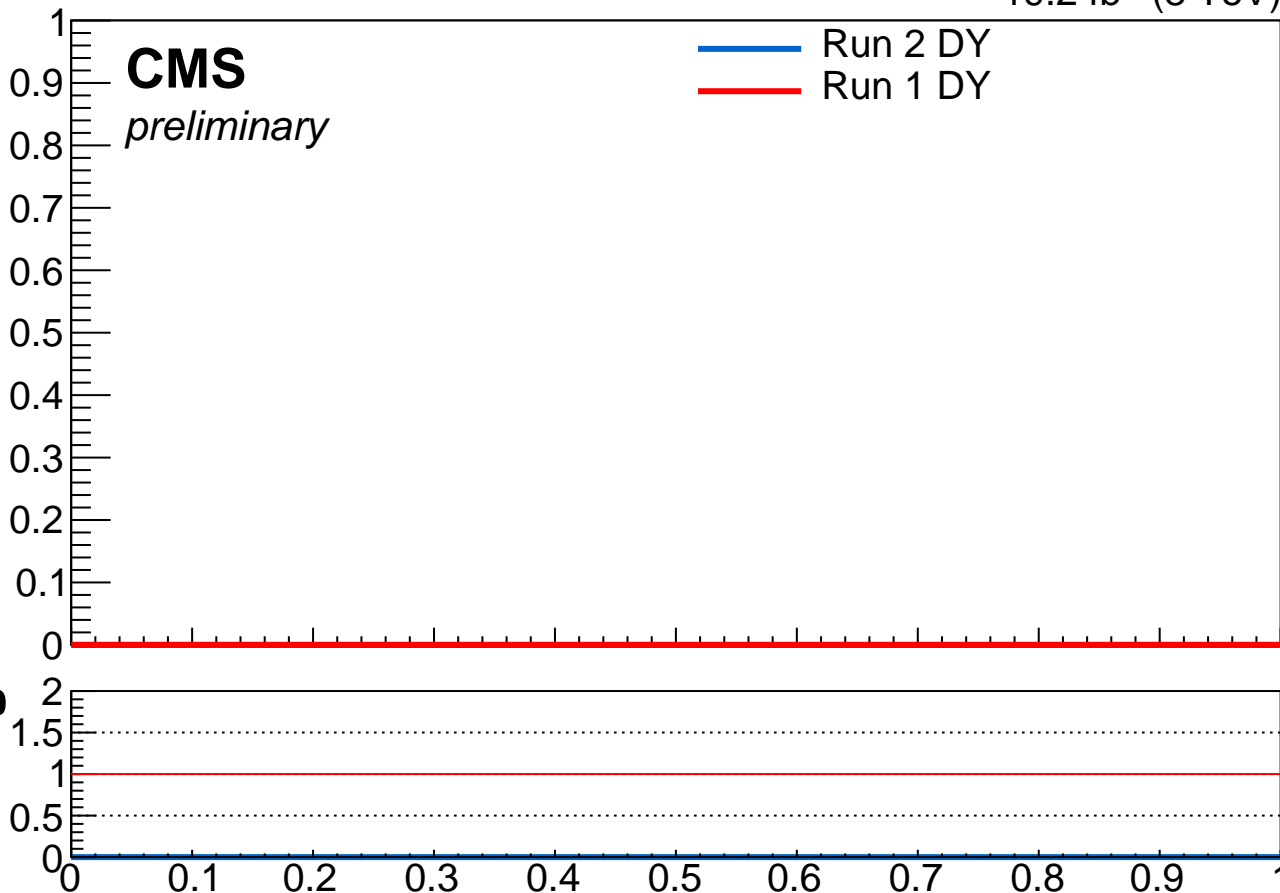
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

MET (GeV)



19.2 fb⁻¹ (8 TeV)

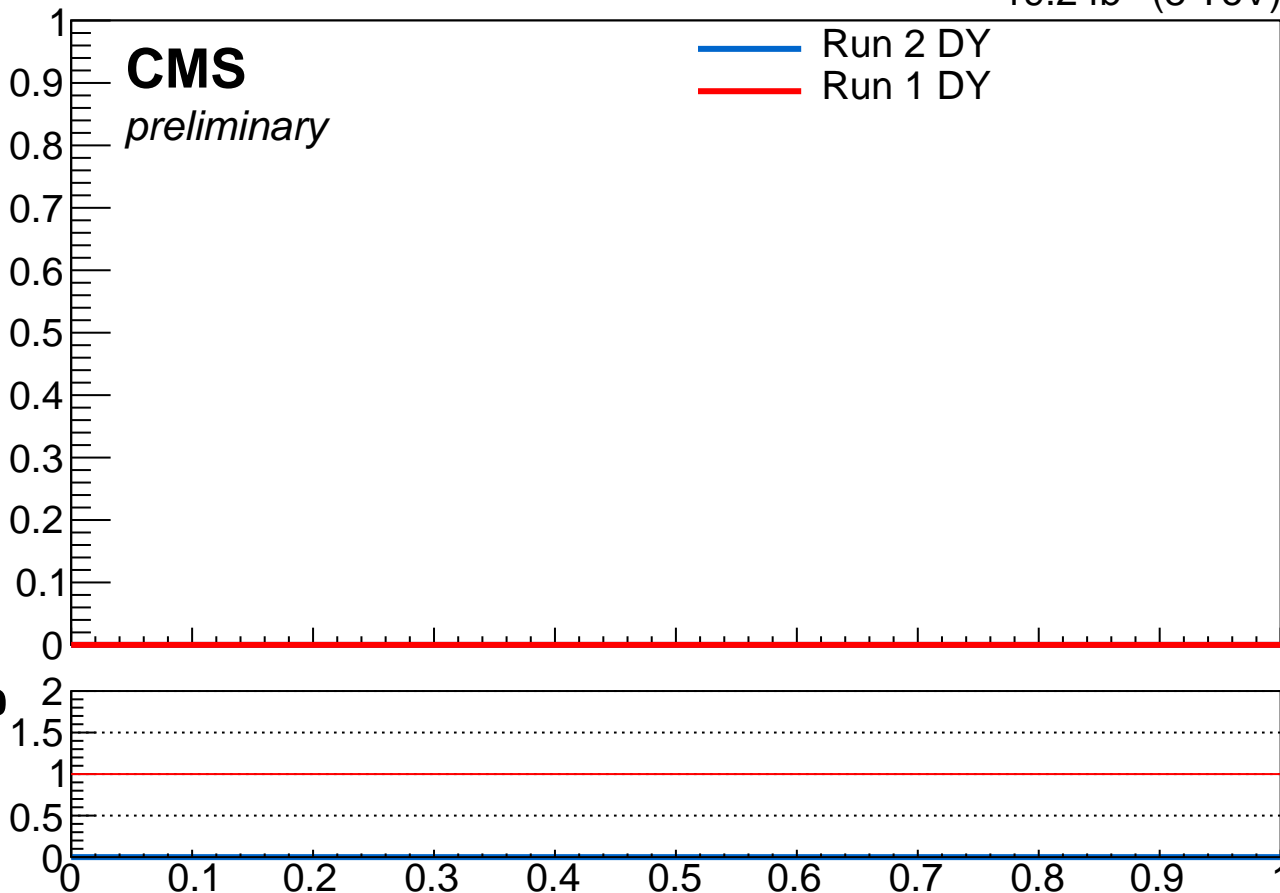
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

L1MET (GeV)



19.2 fb⁻¹ (8 TeV)

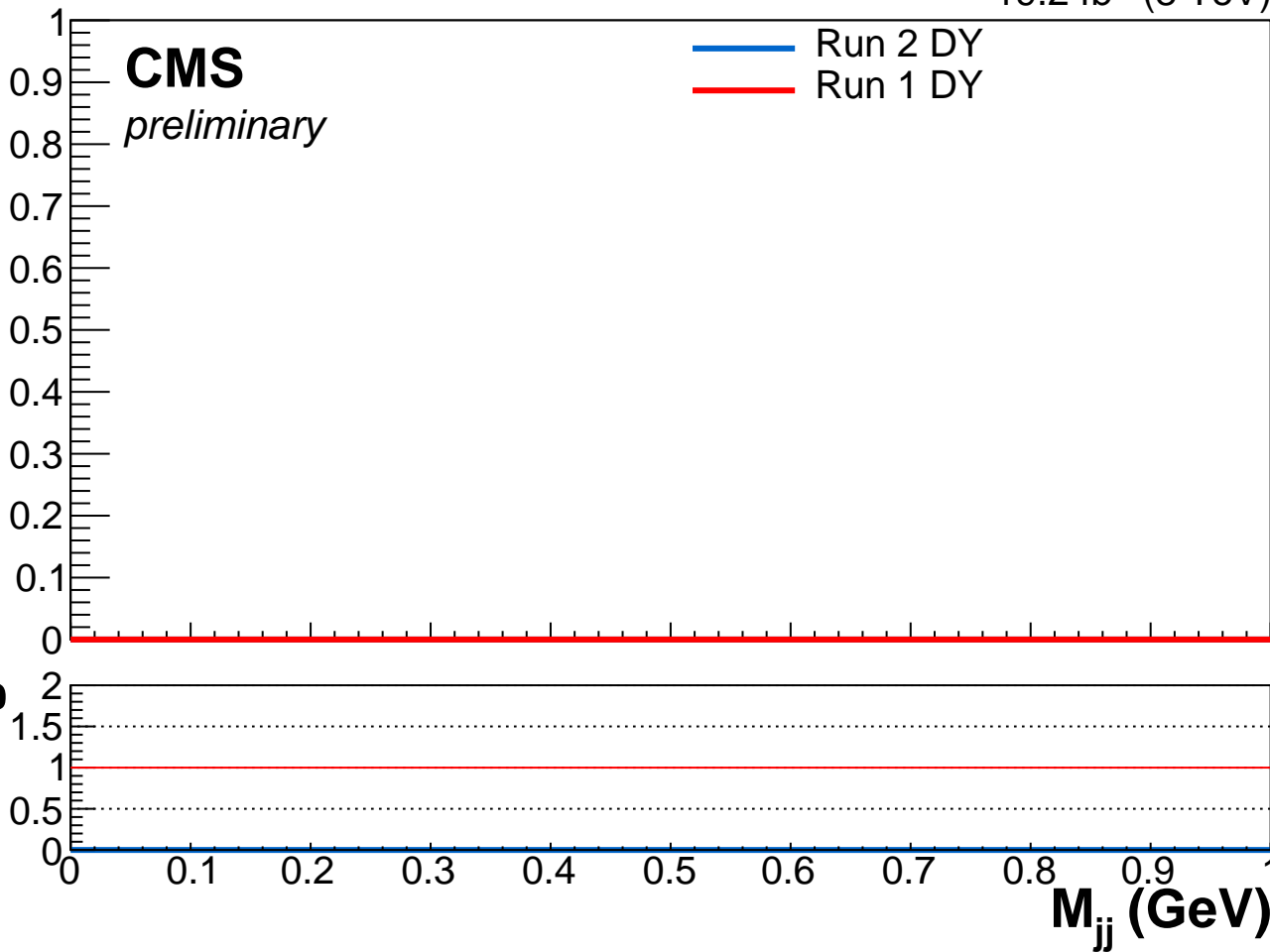
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

M_{jj} (GeV)



19.2 fb⁻¹ (8 TeV)

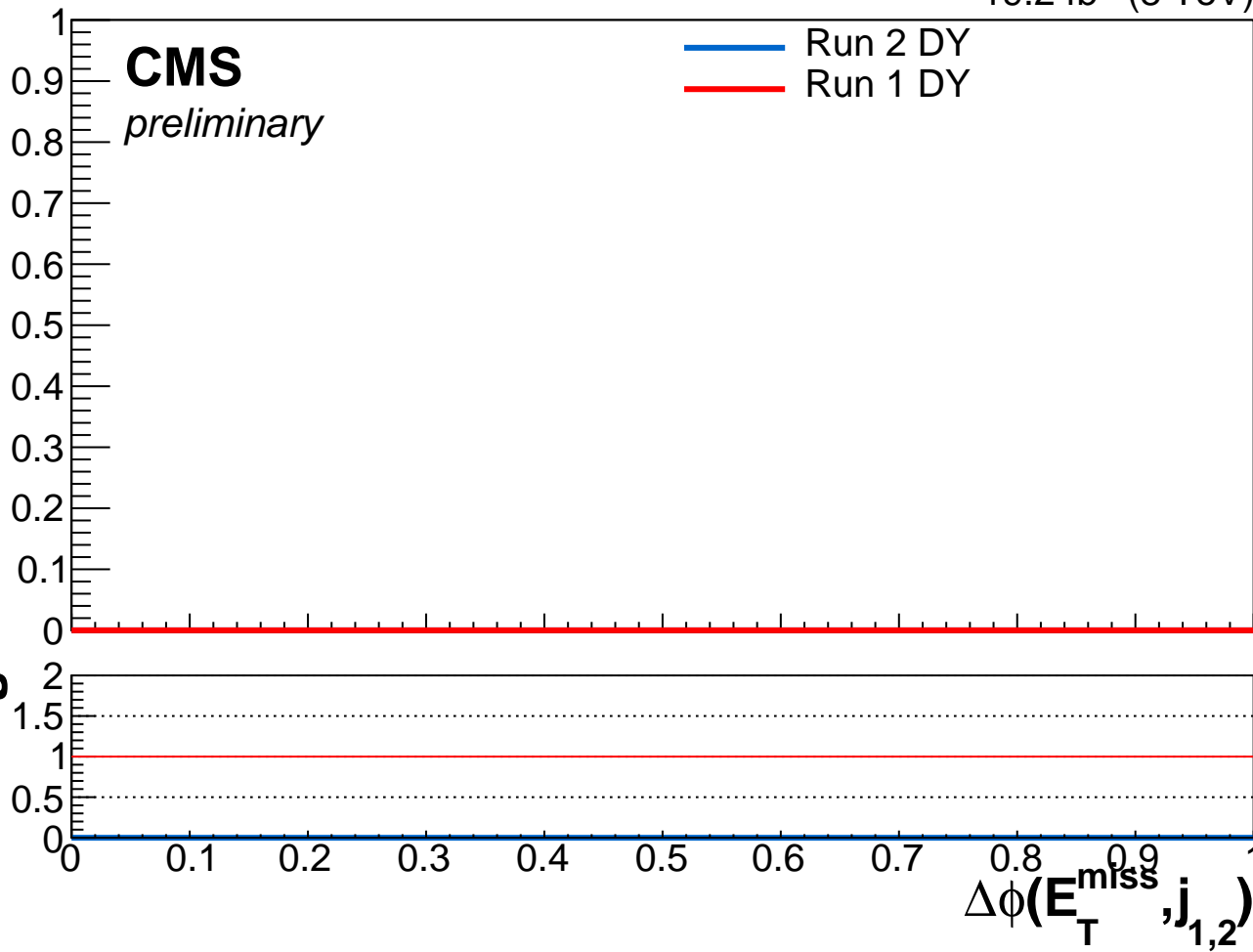
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$\Delta\phi(E_T^{\text{miss}}, j_{1,2})$



19.2 fb⁻¹ (8 TeV)

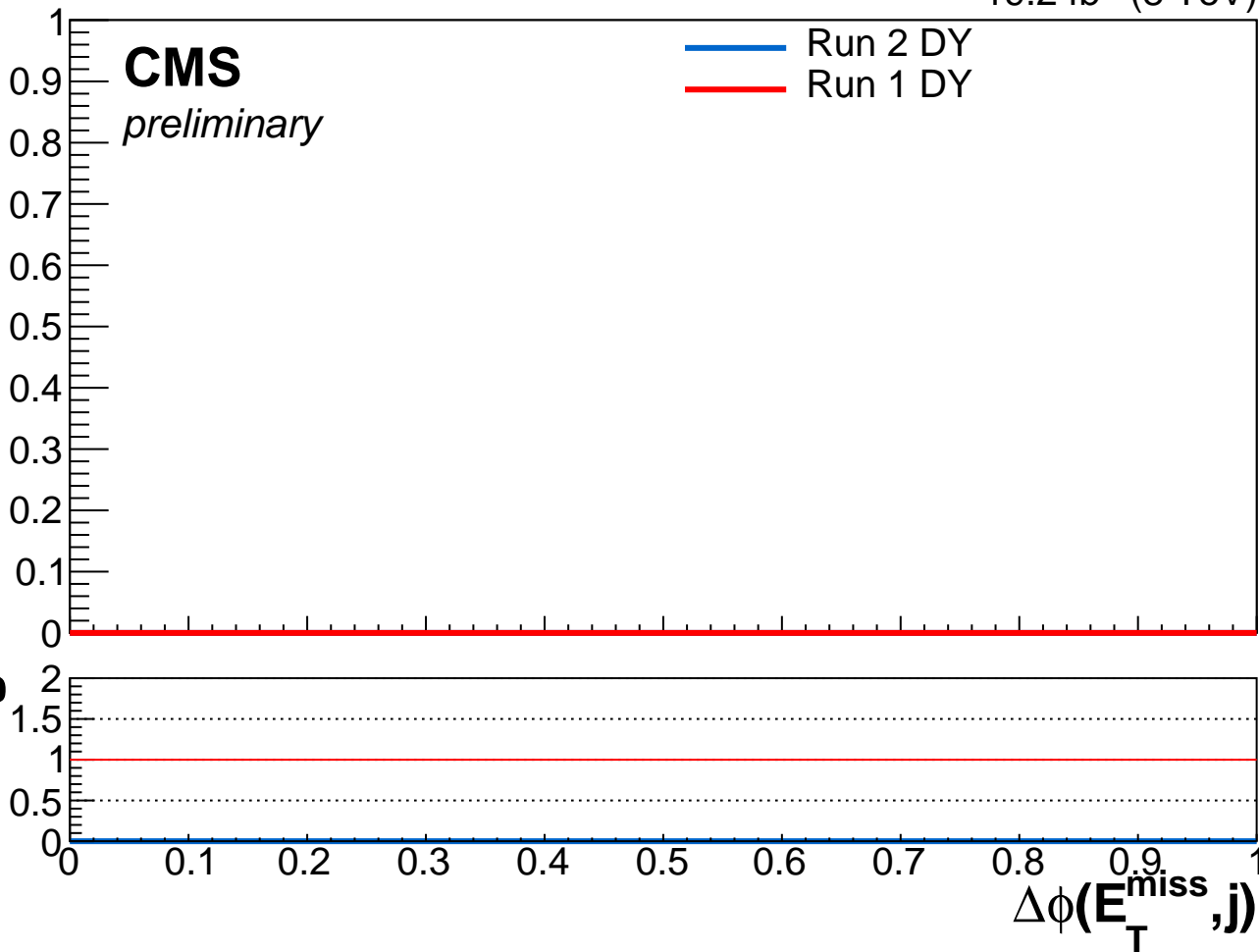
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$\Delta\phi(\mathbf{E}_T^{\text{miss}}, \mathbf{j})$



19.2 fb⁻¹ (8 TeV)

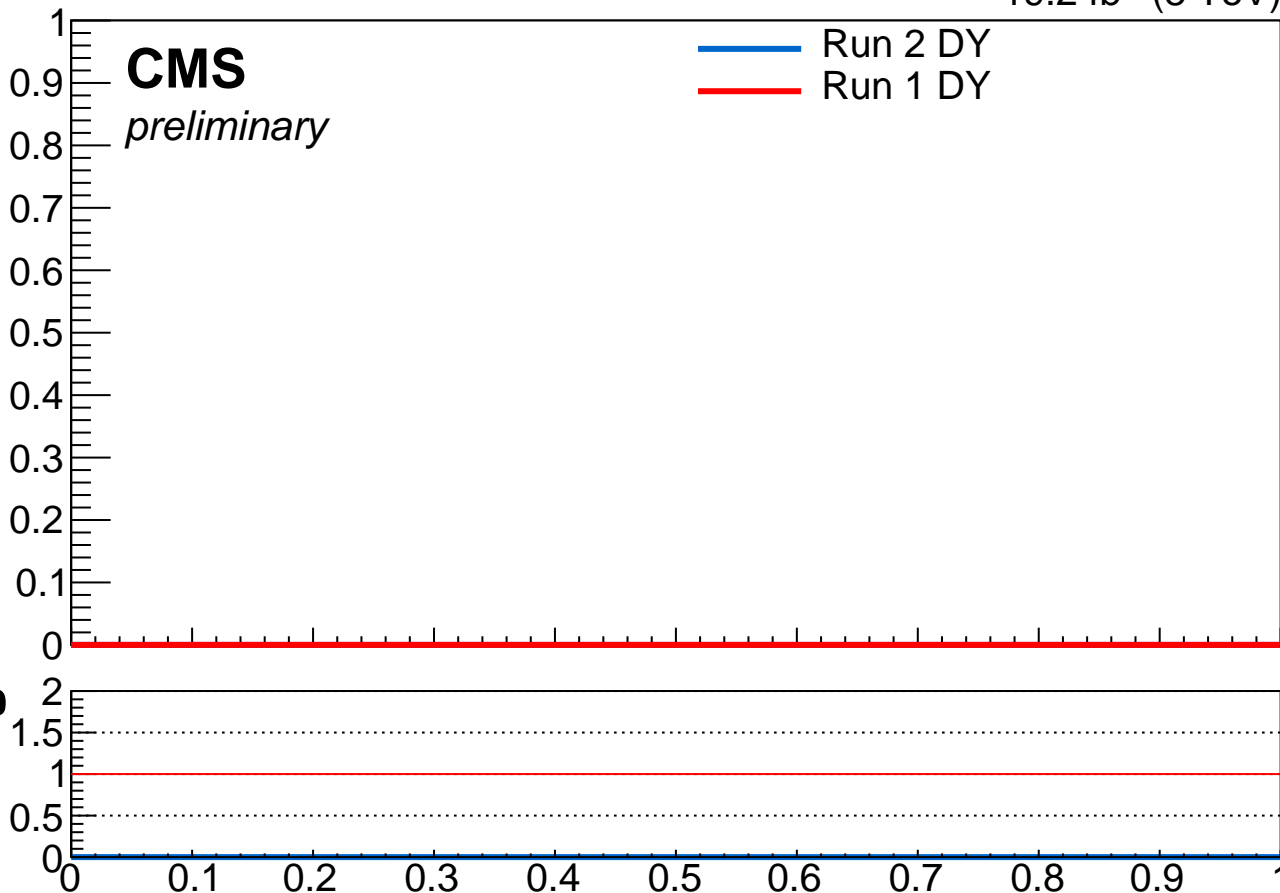
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

S



19.2 fb⁻¹ (8 TeV)

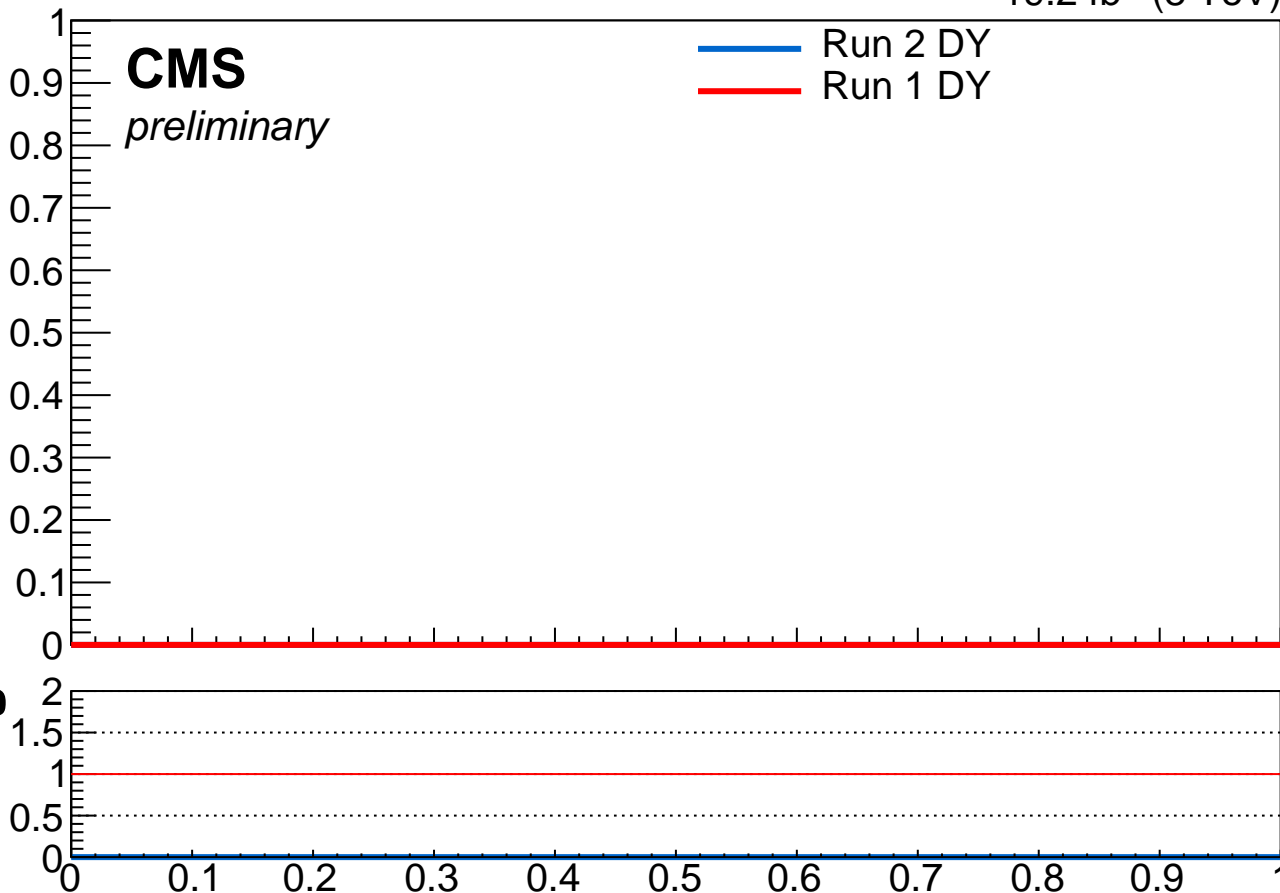
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Run 1 S



19.2 fb⁻¹ (8 TeV)

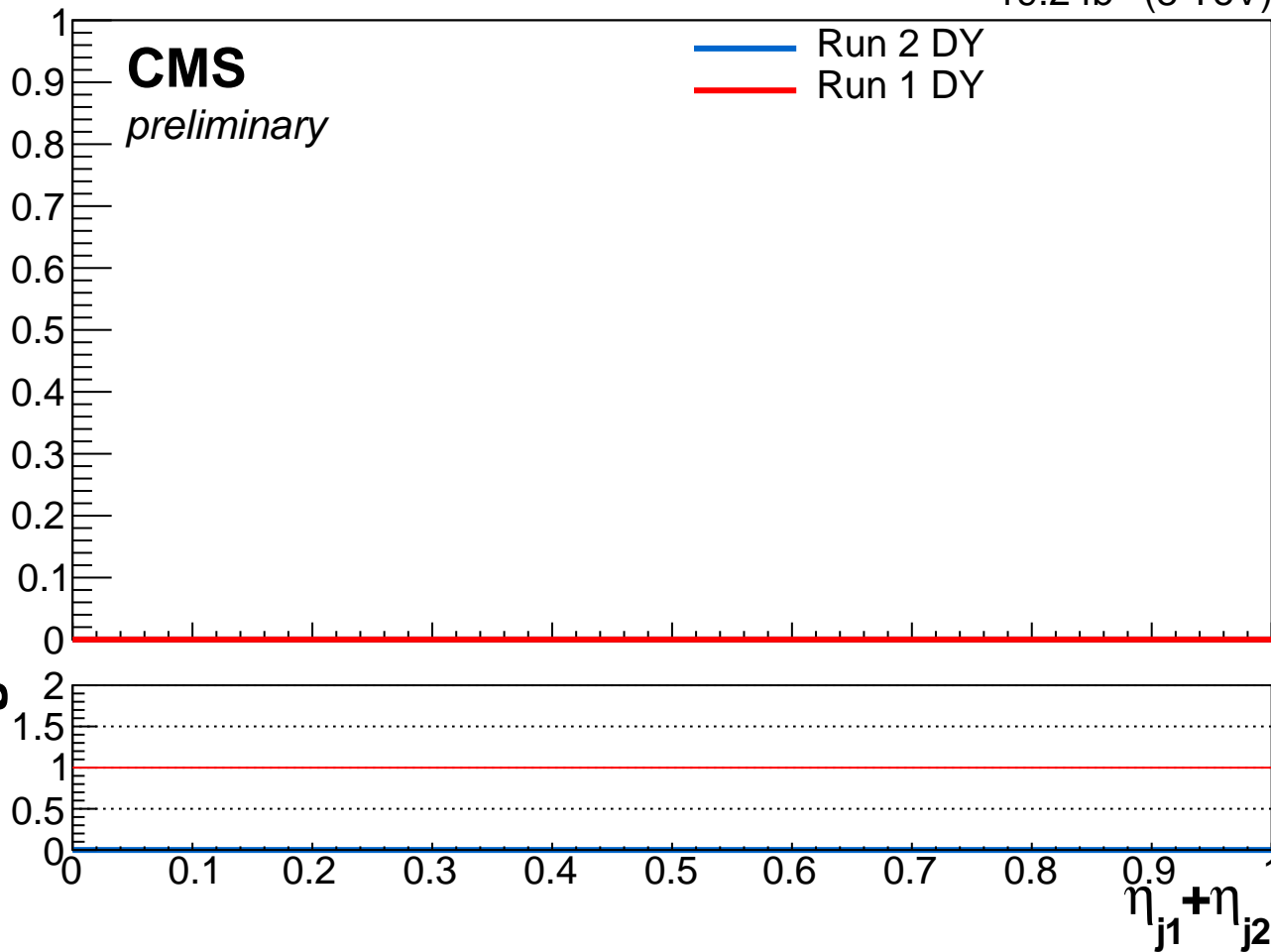
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

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



19.2 fb⁻¹ (8 TeV)

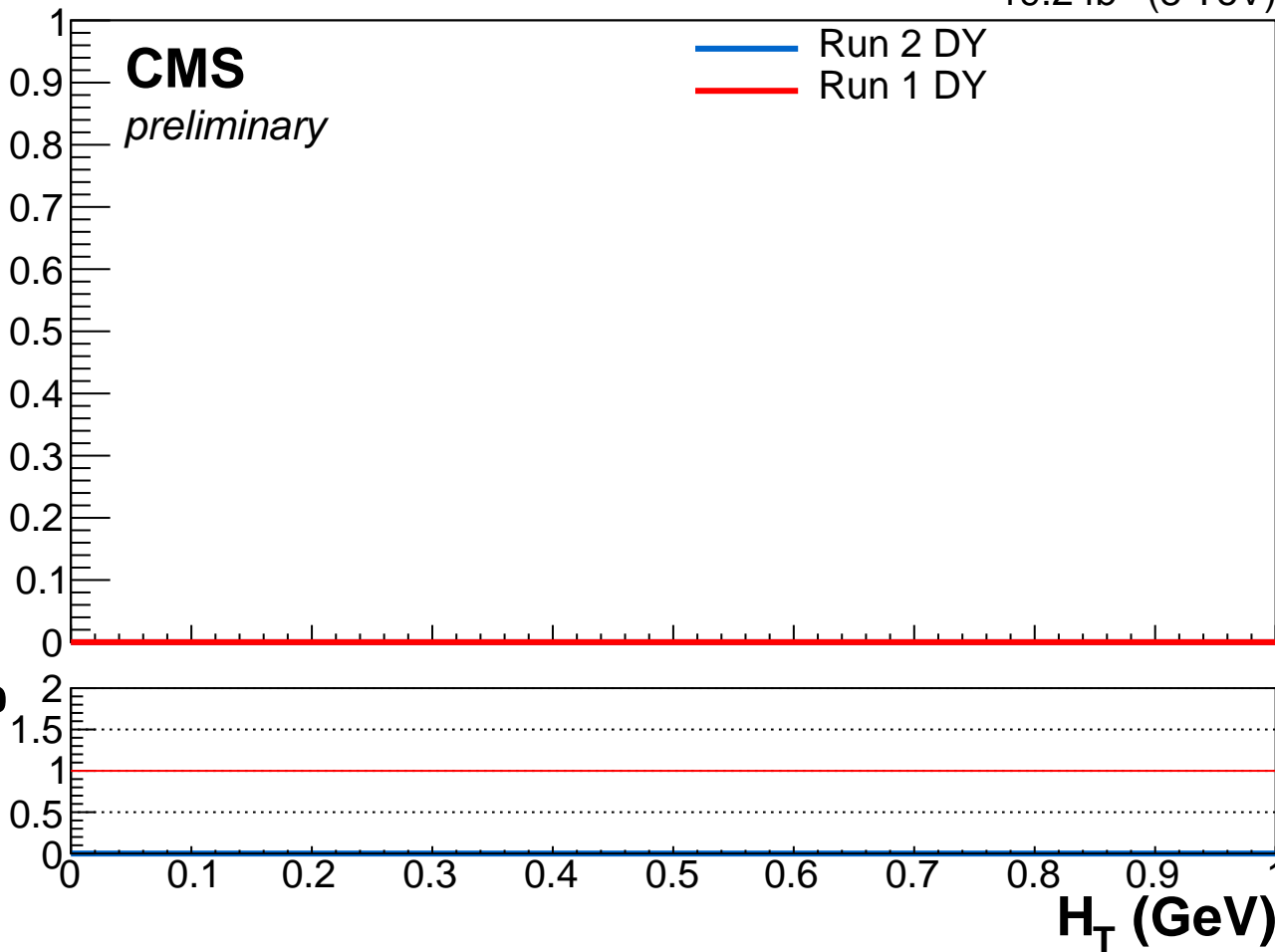
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

H_T (GeV)



19.2 fb⁻¹ (8 TeV)

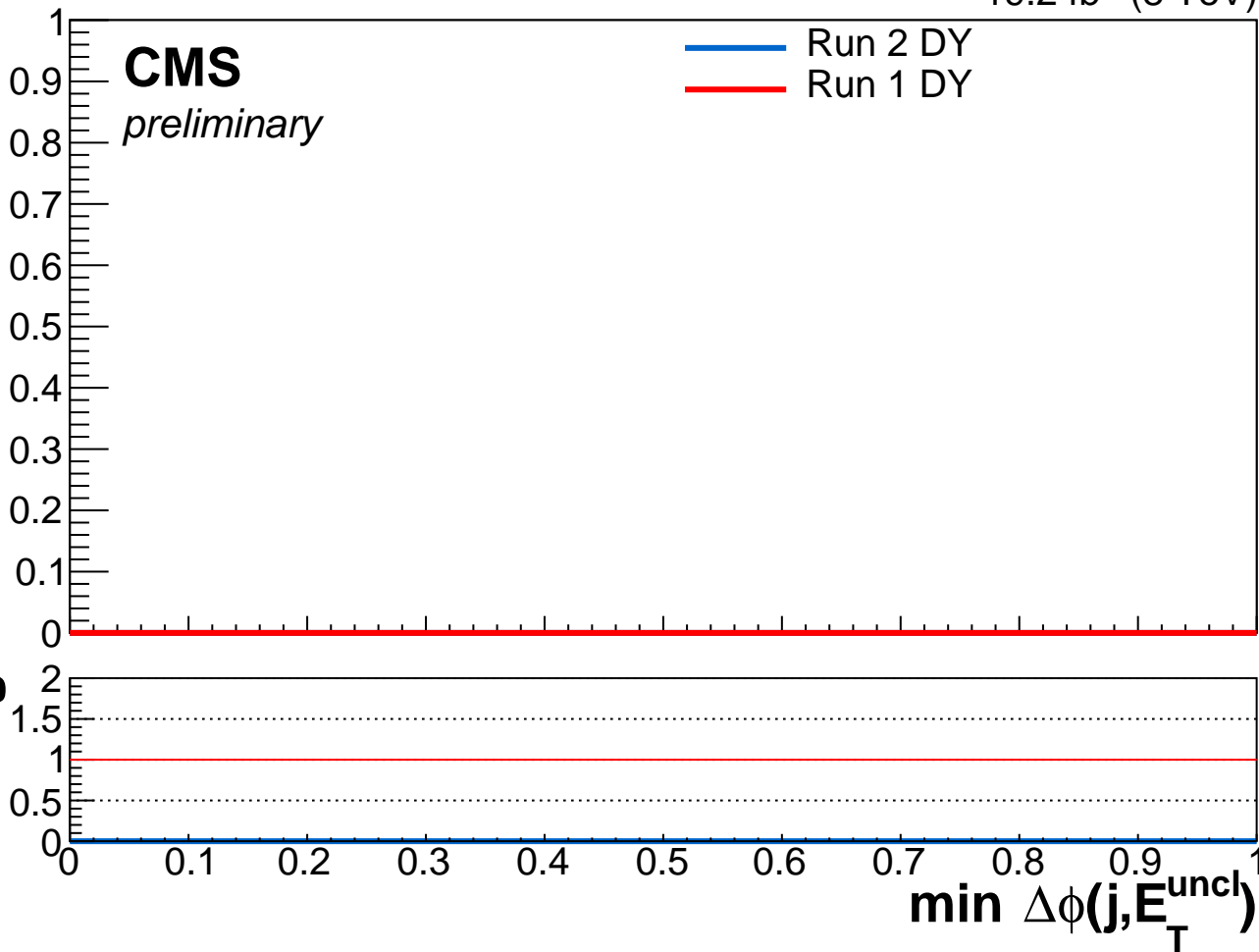
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

min $\Delta\phi(j, E_T^{\text{uncl}})$



19.2 fb⁻¹ (8 TeV)

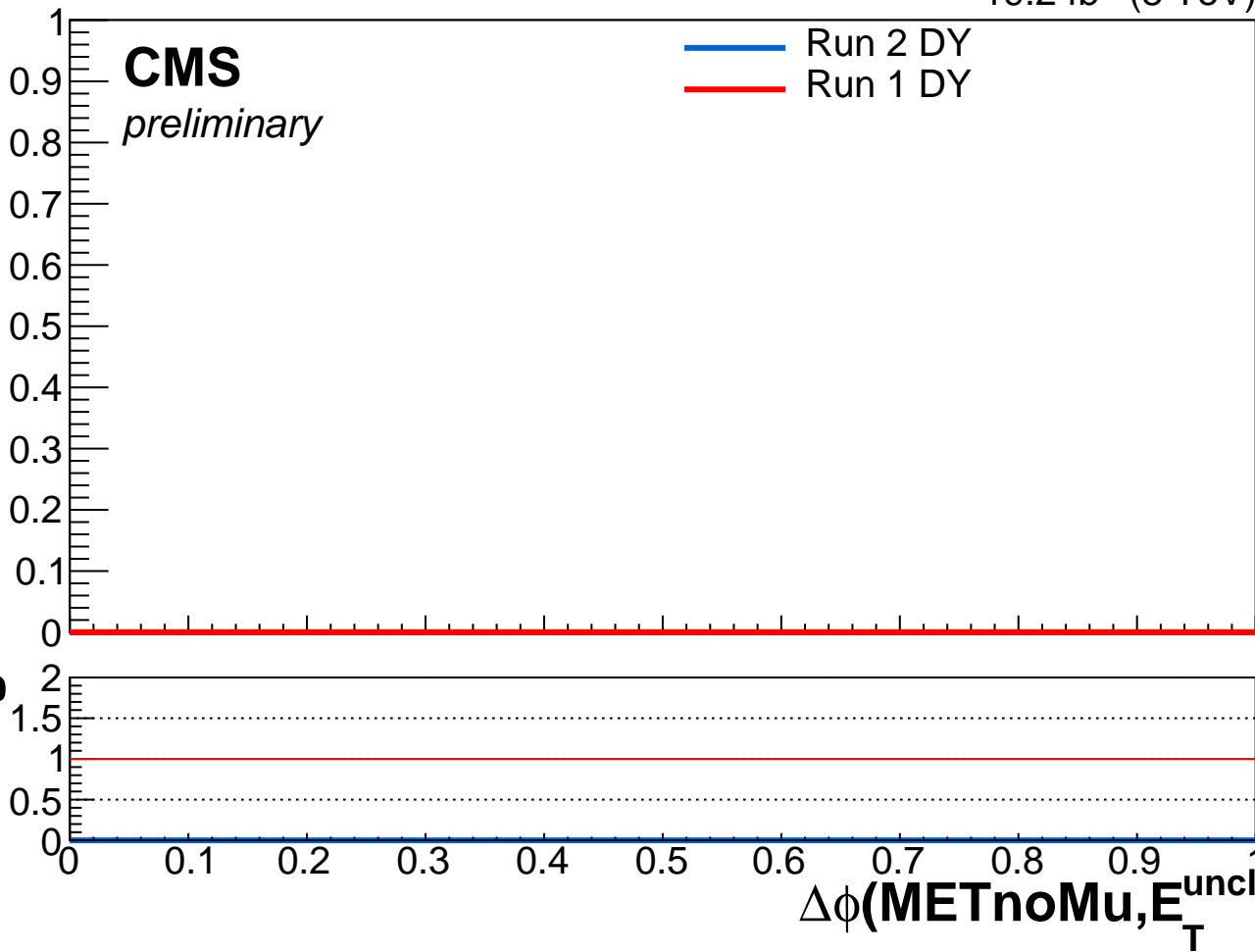
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$\Delta\phi(\text{METnoMu}, E_T^{\text{unc}})$



19.2 fb⁻¹ (8 TeV)

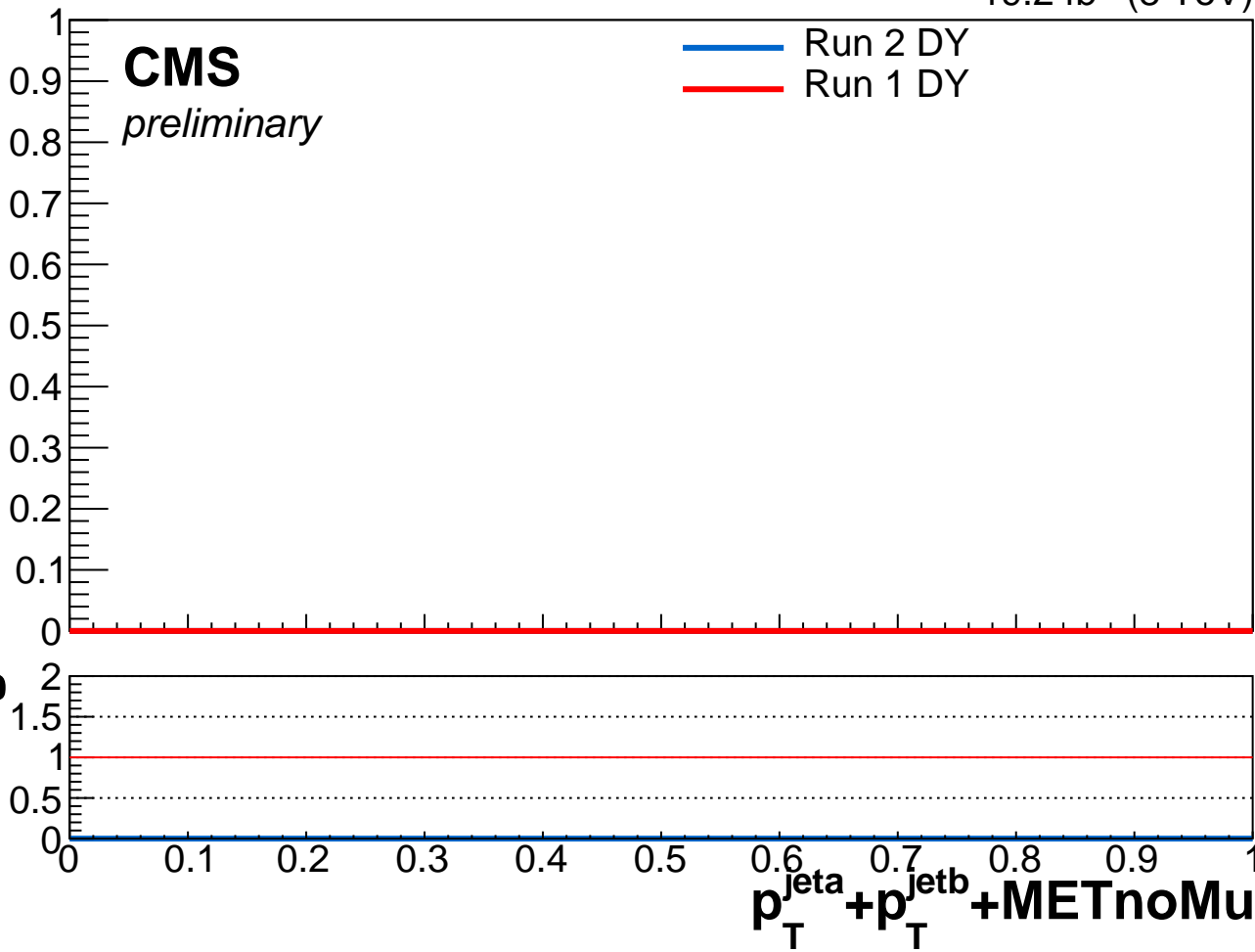
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$p_T^{\text{Jeta}} + p_T^{\text{Jetb}} + \text{METnoMu}$



19.2 fb⁻¹ (8 TeV)

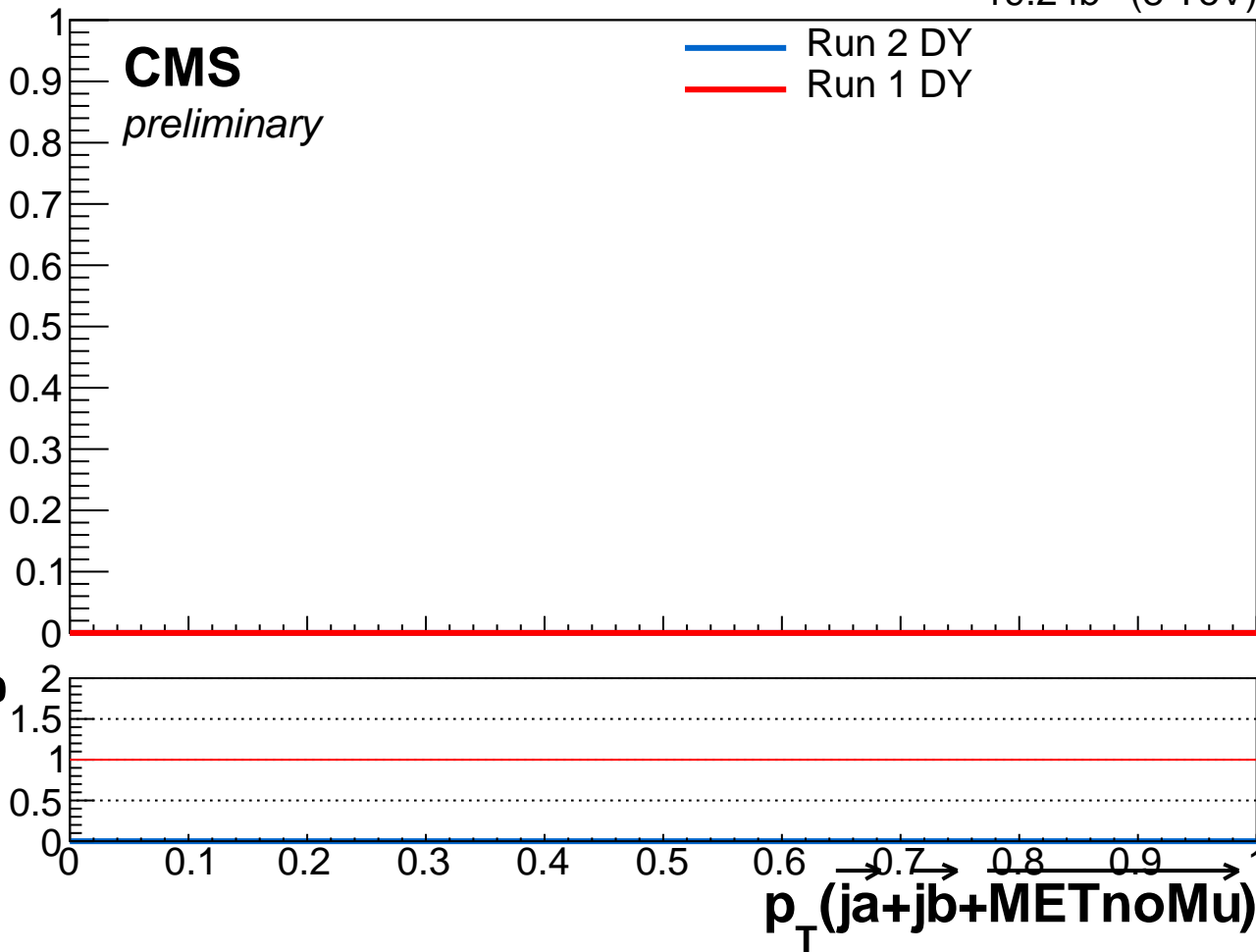
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$p_T(ja+jb+METnoMu)$



19.2 fb⁻¹ (8 TeV)

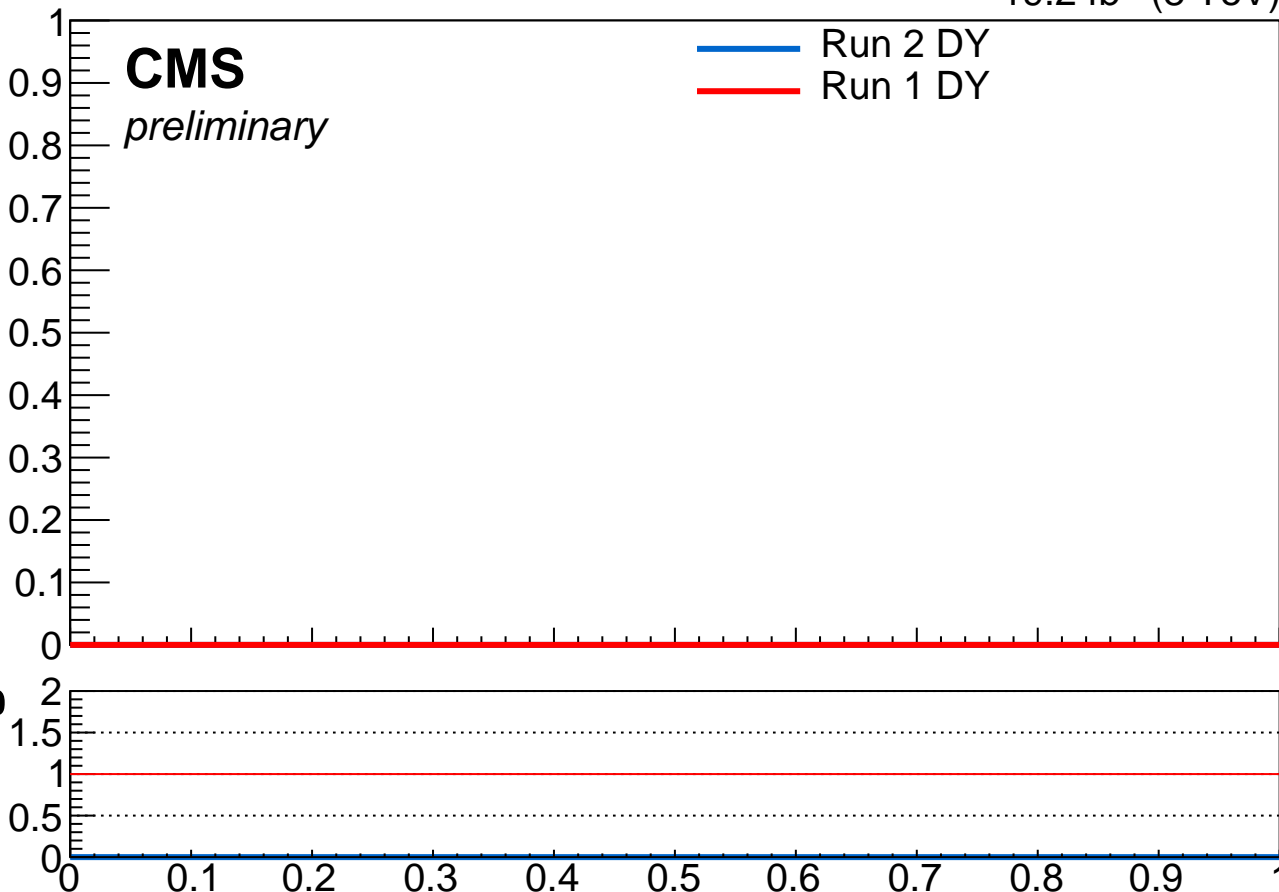
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

CJV jets (30 GeV)



19.2 fb⁻¹ (8 TeV)

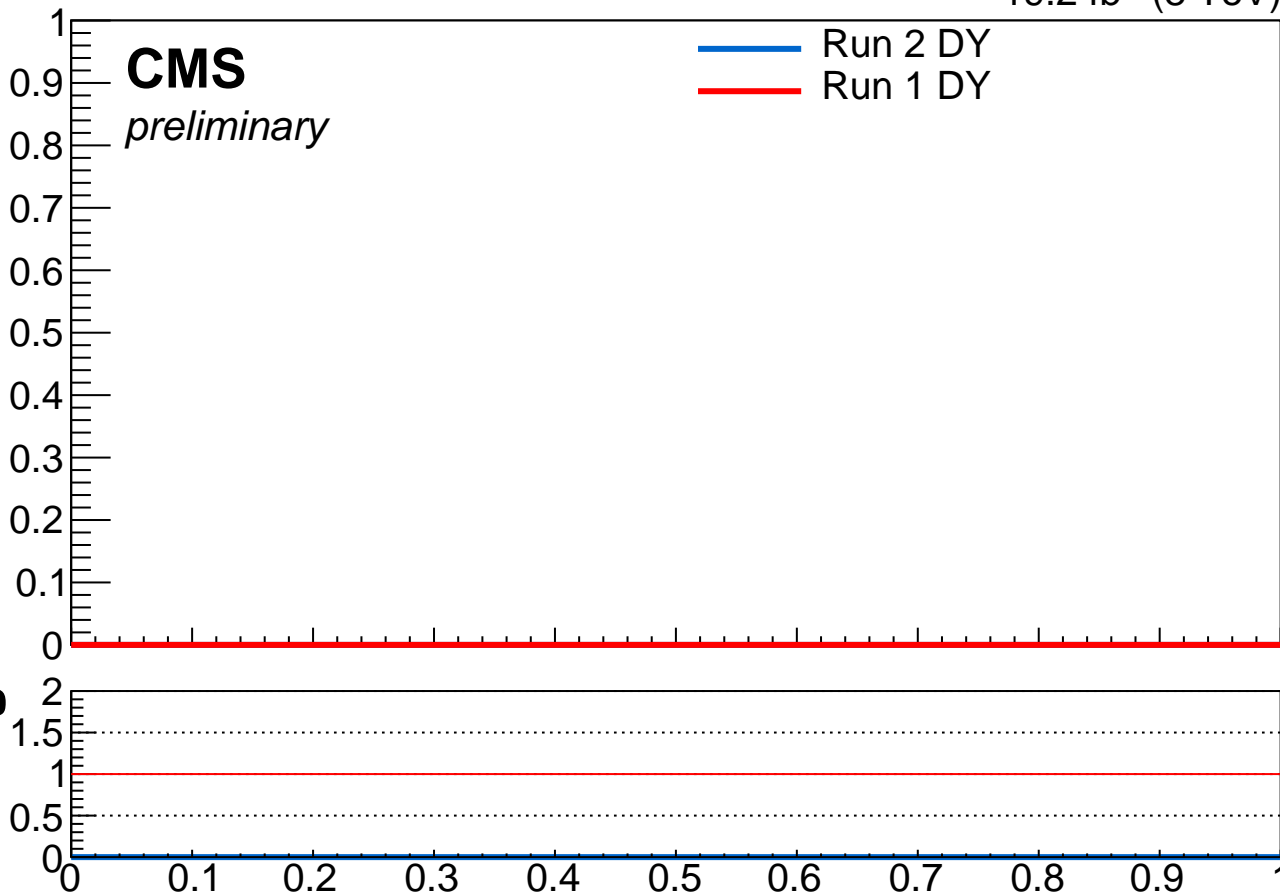
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

CJV jets (20 GeV EB, 30 GeV EE)



19.2 fb⁻¹ (8 TeV)

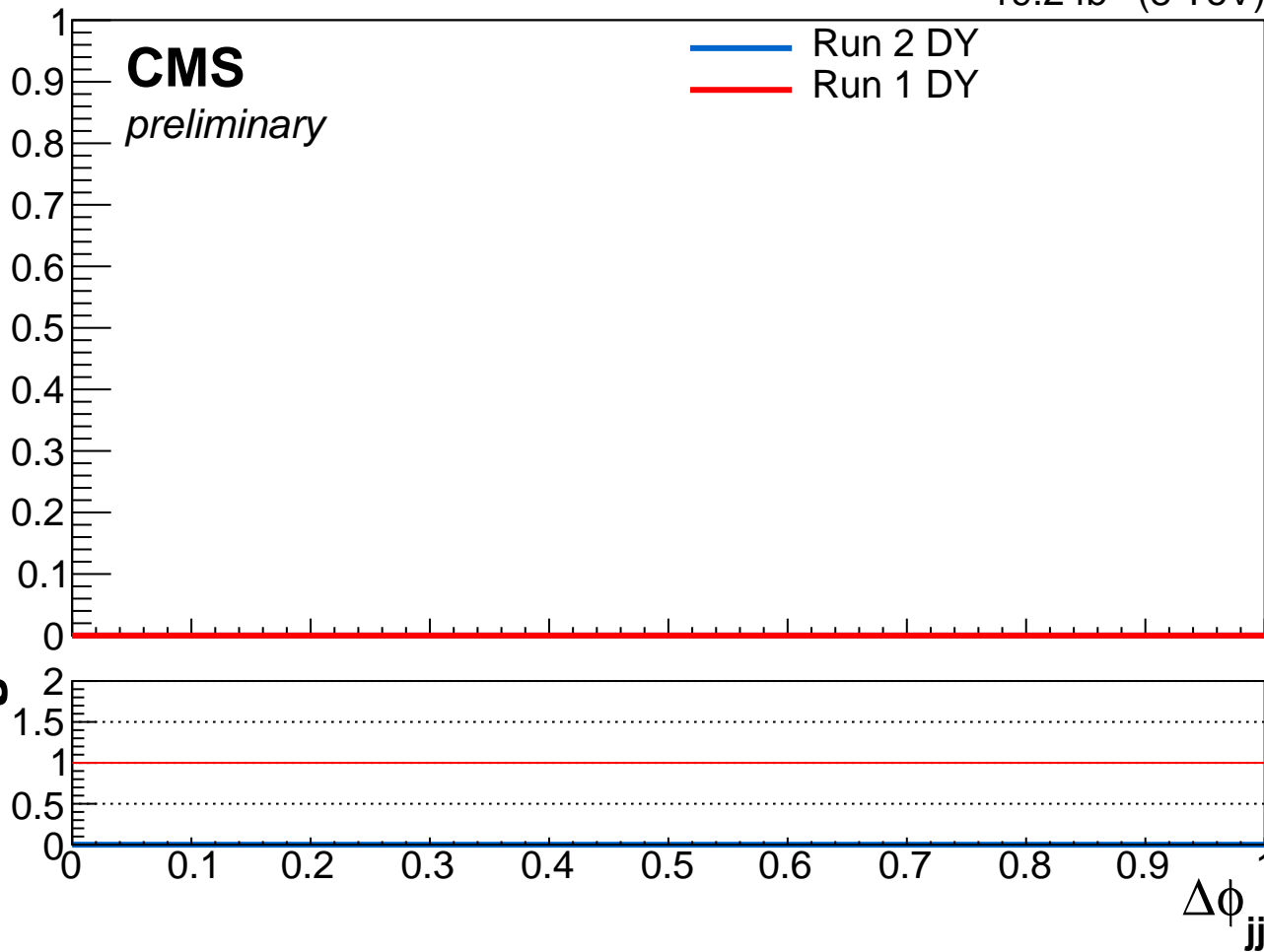
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$\Delta\phi_{jj}$



19.2 fb⁻¹ (8 TeV)

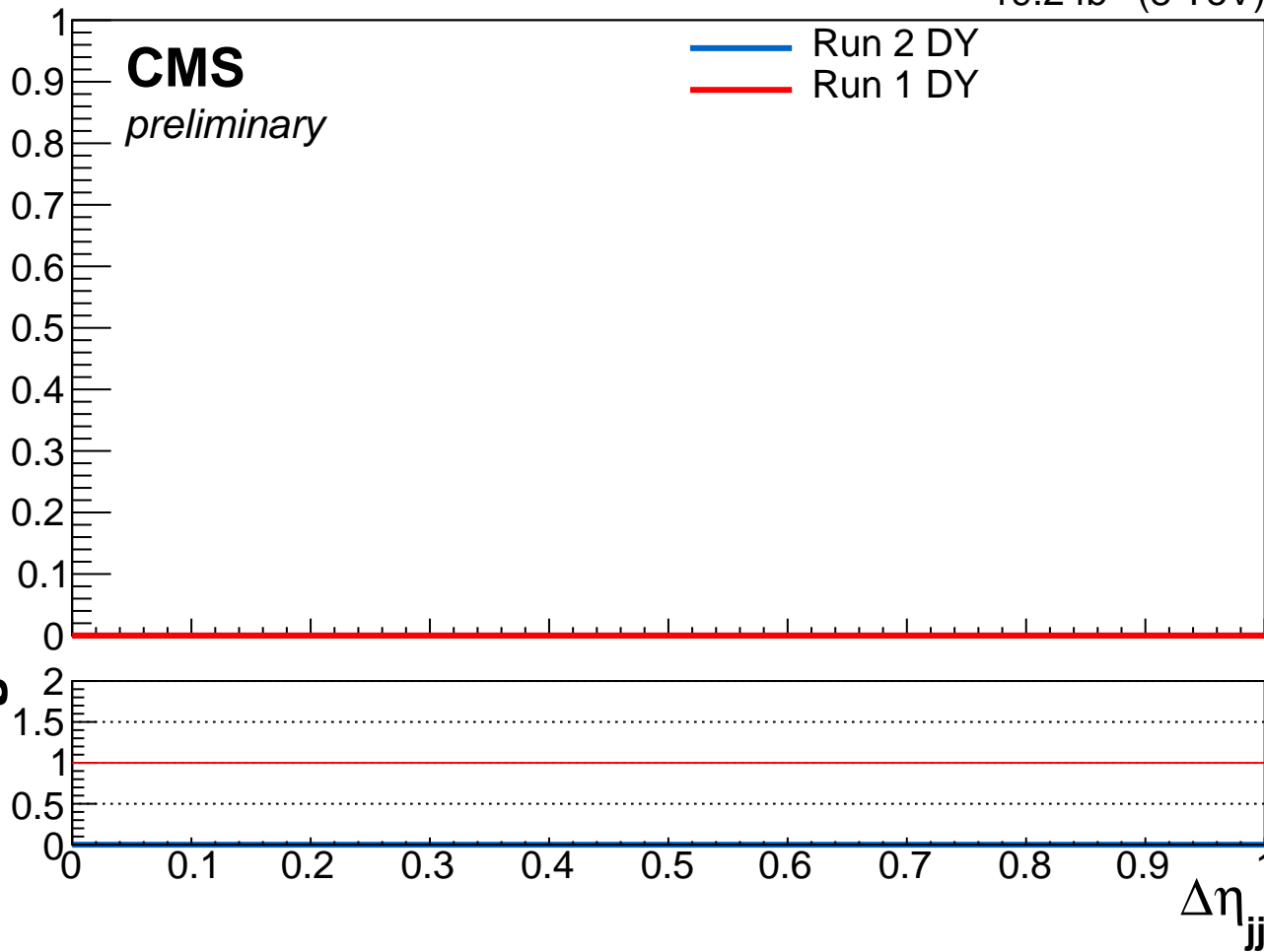
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$\Delta\eta_{jj}$



19.2 fb⁻¹ (8 TeV)

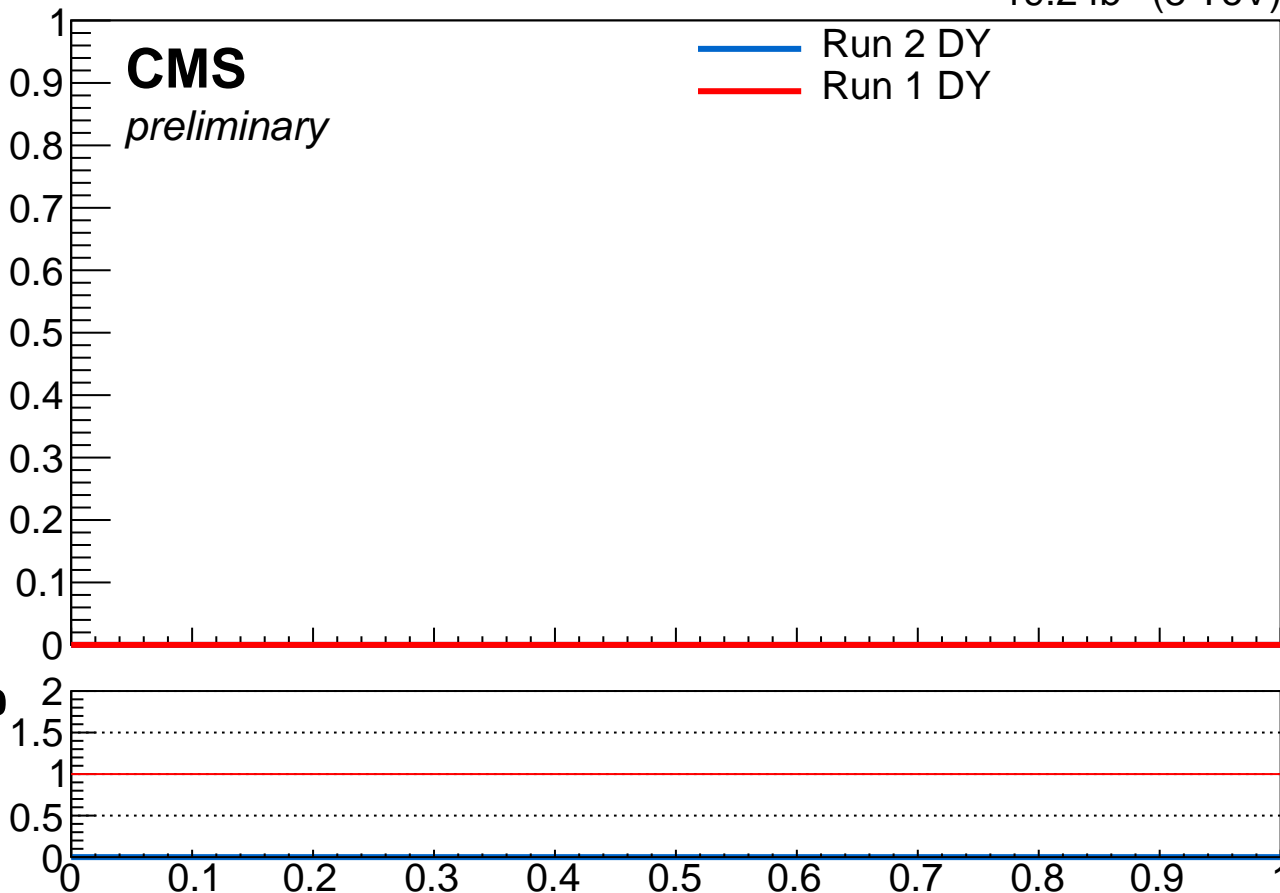
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

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



19.2 fb⁻¹ (8 TeV)

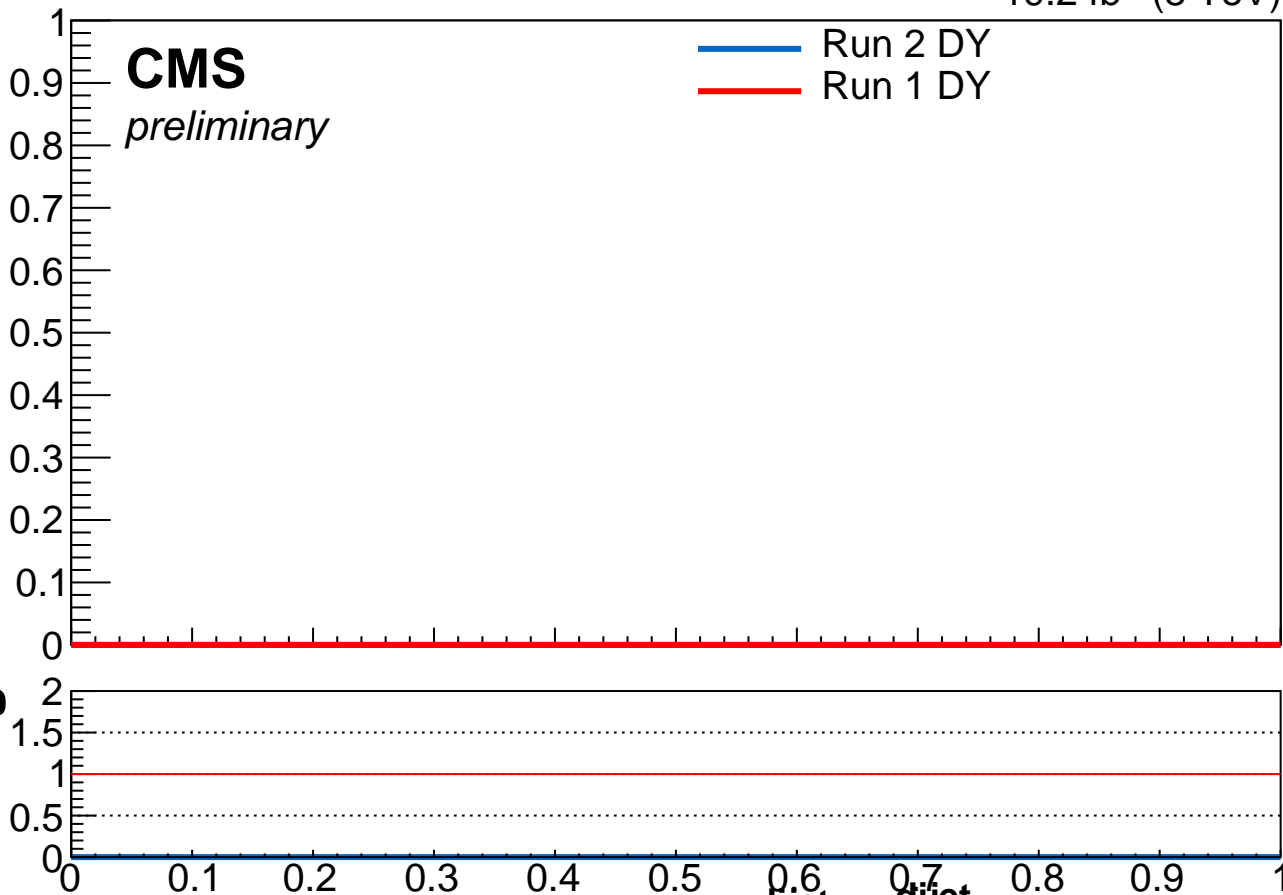
CMS

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)

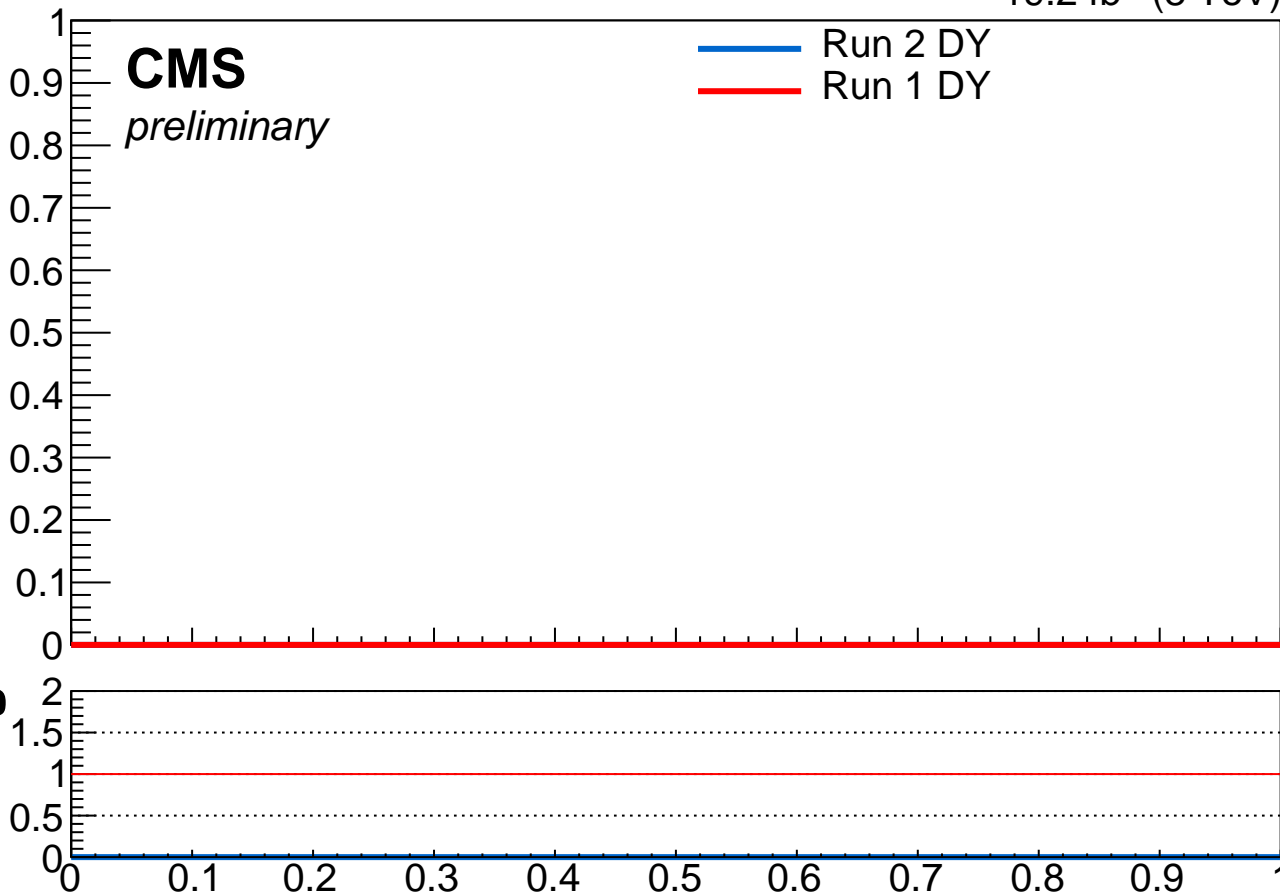
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Jet 1 CSV



19.2 fb⁻¹ (8 TeV)

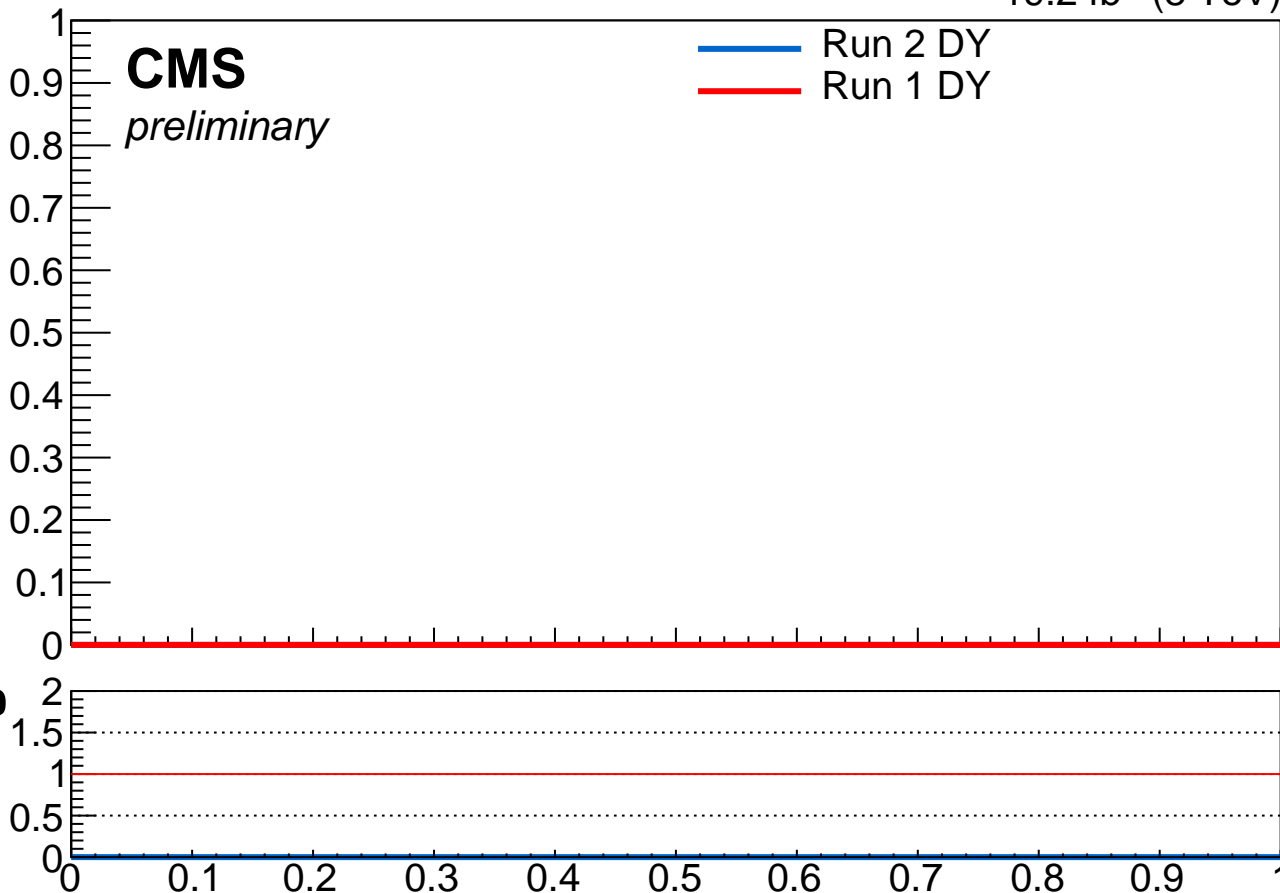
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Jet 2 CSV



19.2 fb⁻¹ (8 TeV)

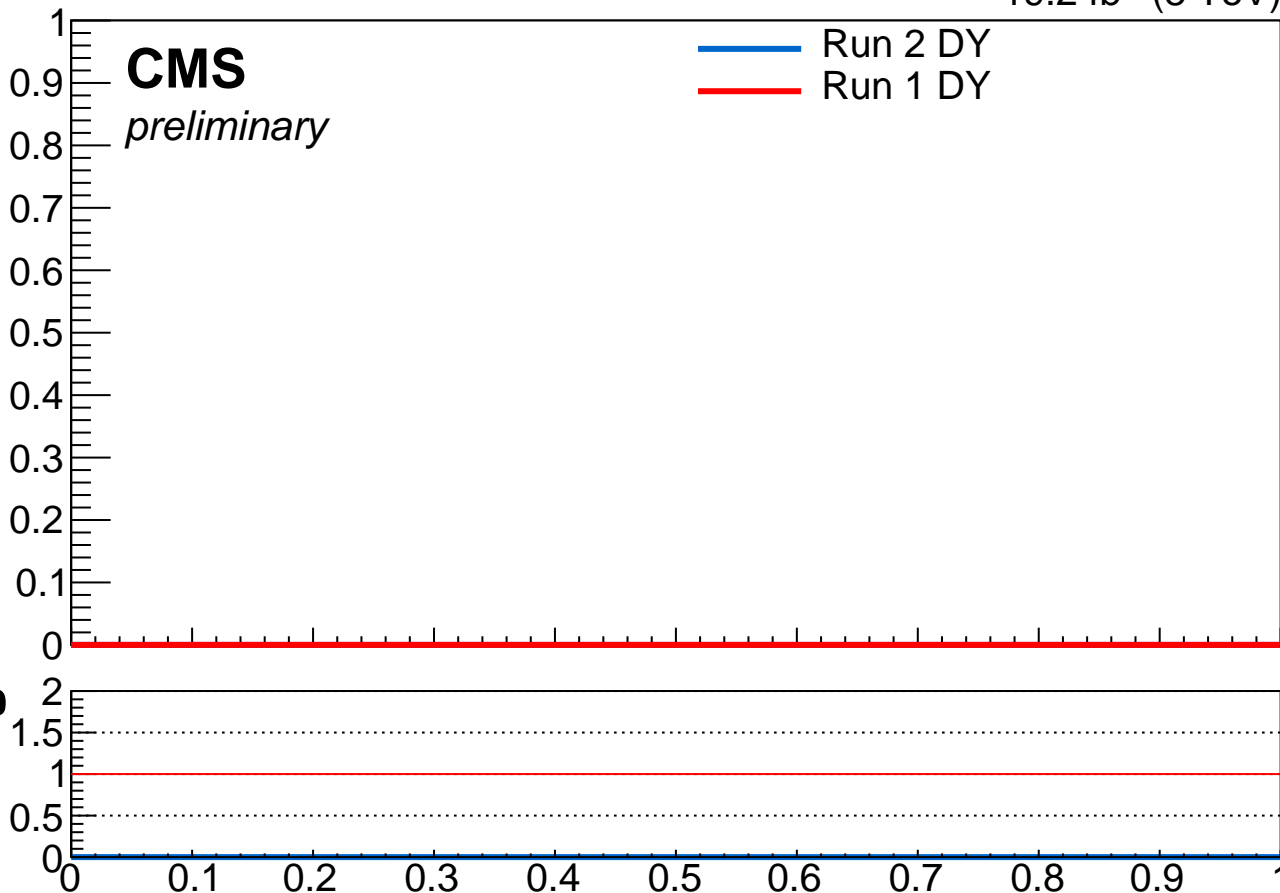
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Jet 3 CSV



19.2 fb⁻¹ (8 TeV)

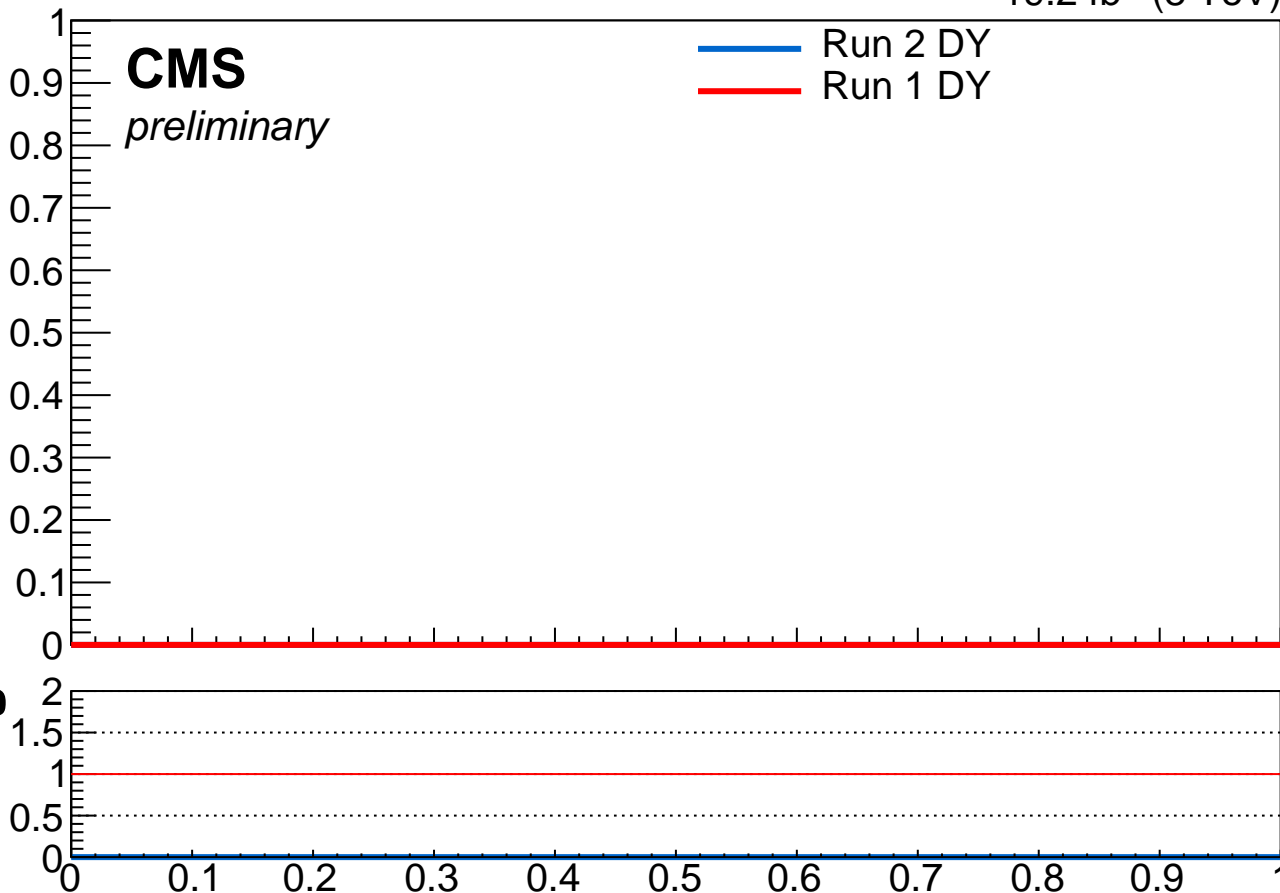
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

N jets pt>30 GeV



19.2 fb⁻¹ (8 TeV)

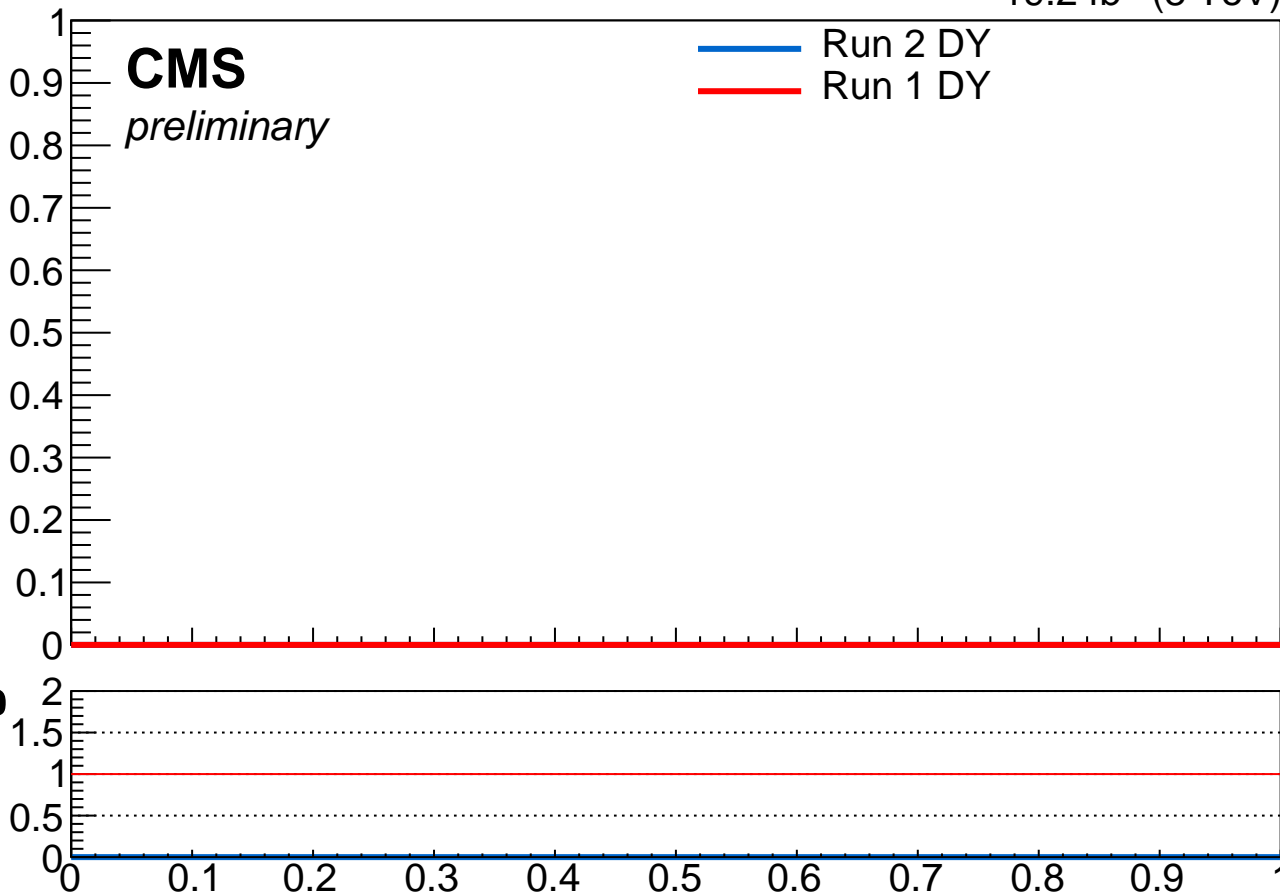
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

N jets pt>15 GeV



19.2 fb⁻¹ (8 TeV)

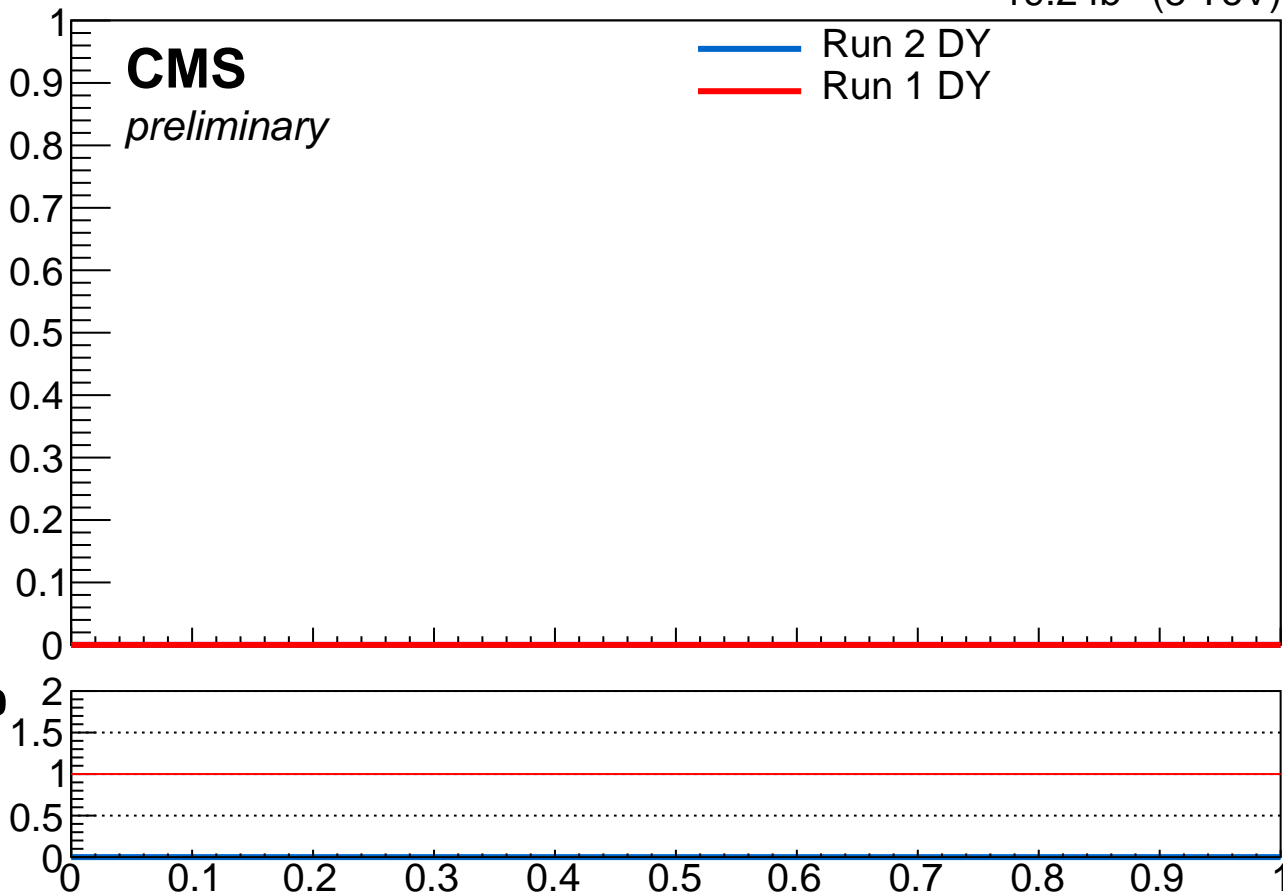
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Central tag jet η



19.2 fb⁻¹ (8 TeV)

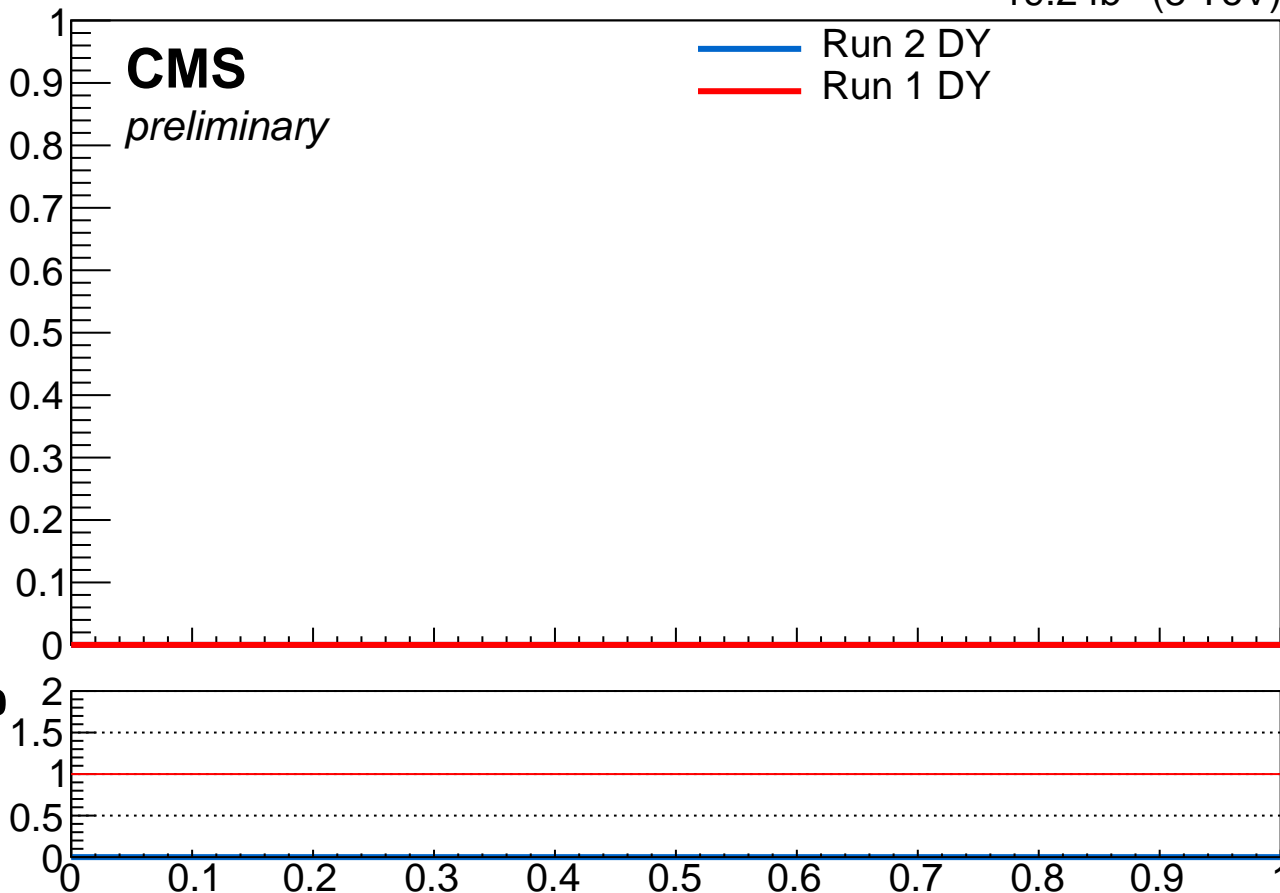
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

Forward tag jet η



19.2 fb⁻¹ (8 TeV)

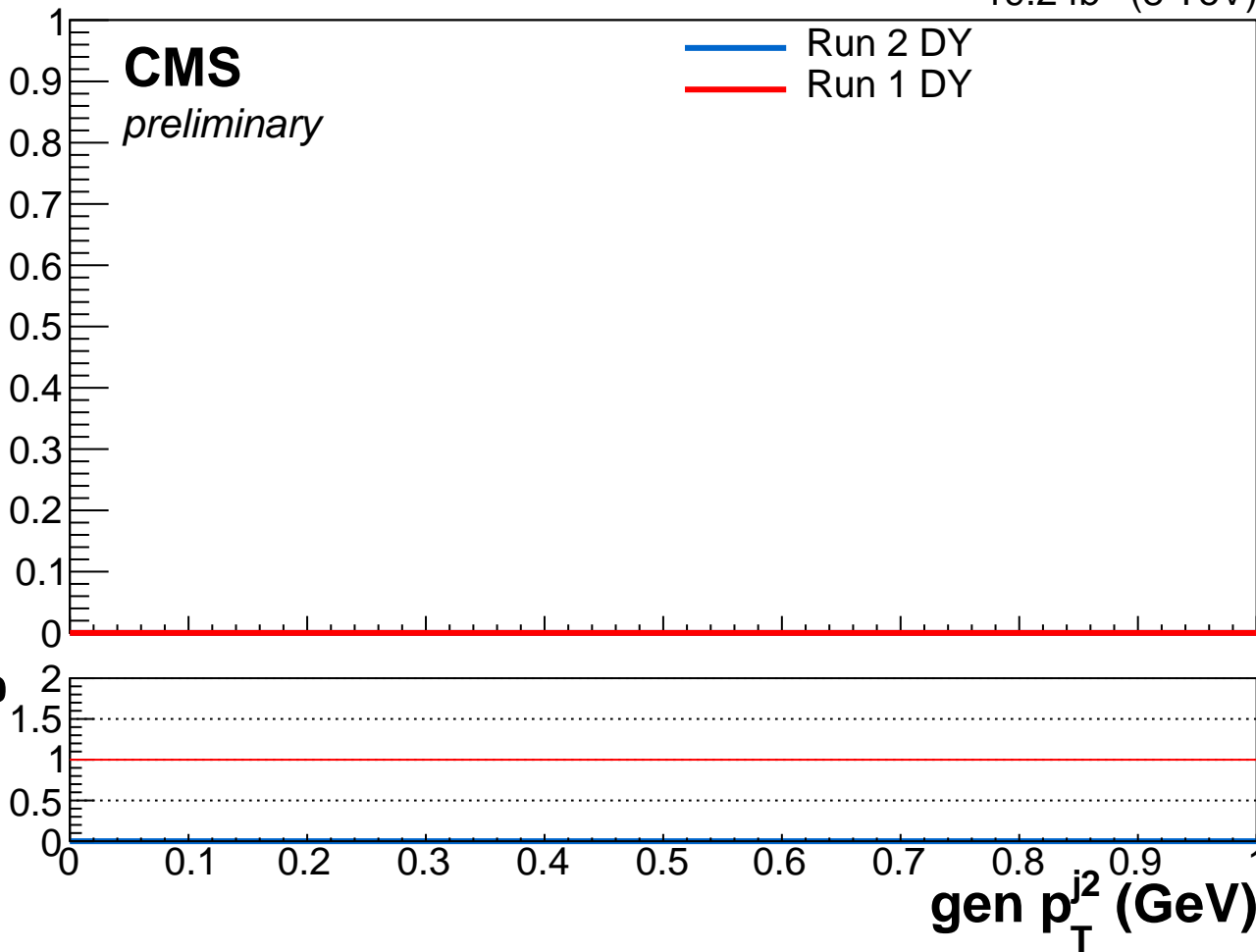
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen p_T^{j2} (GeV)



19.2 fb⁻¹ (8 TeV)

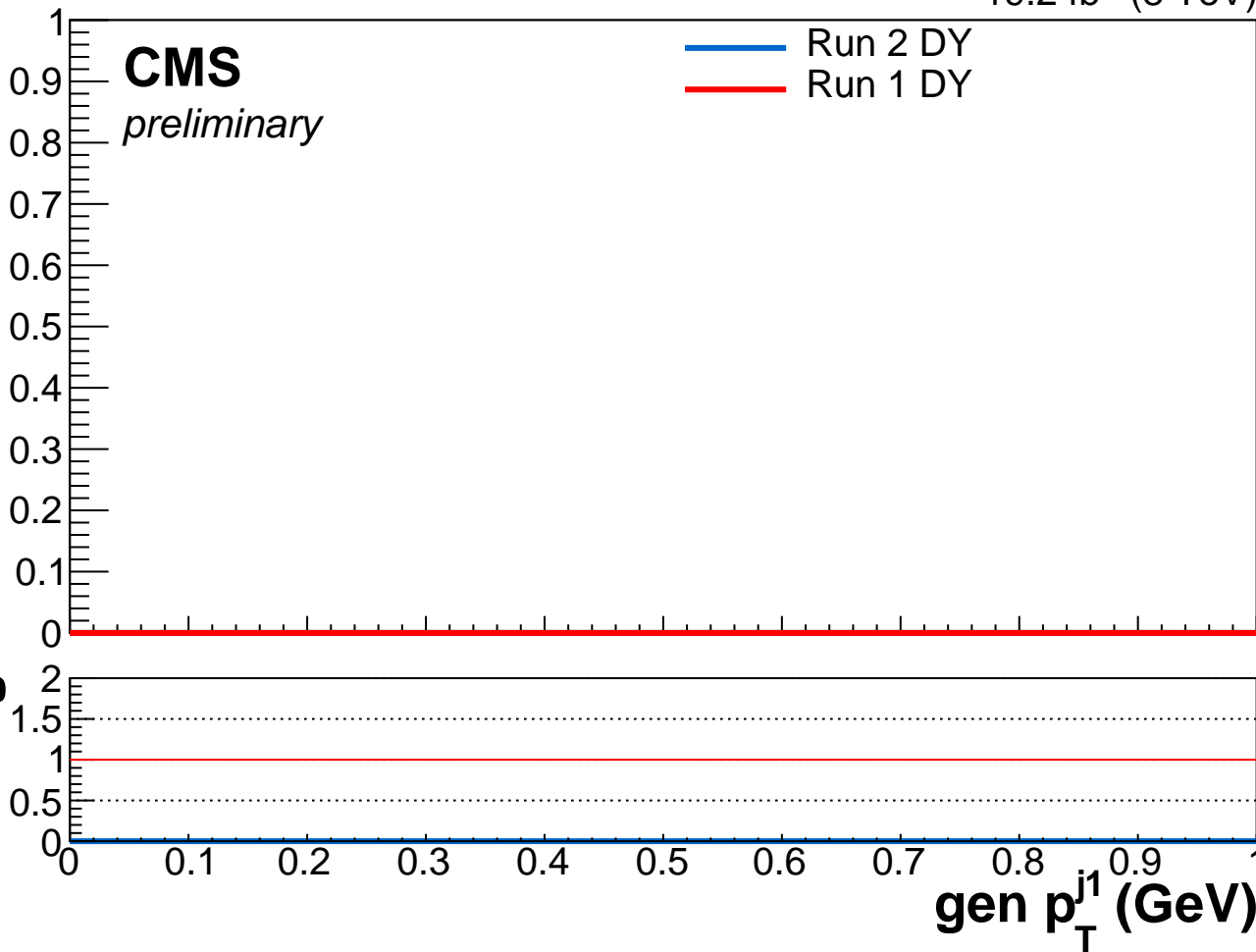
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen p_T^{j1} (GeV)



19.2 fb⁻¹ (8 TeV)

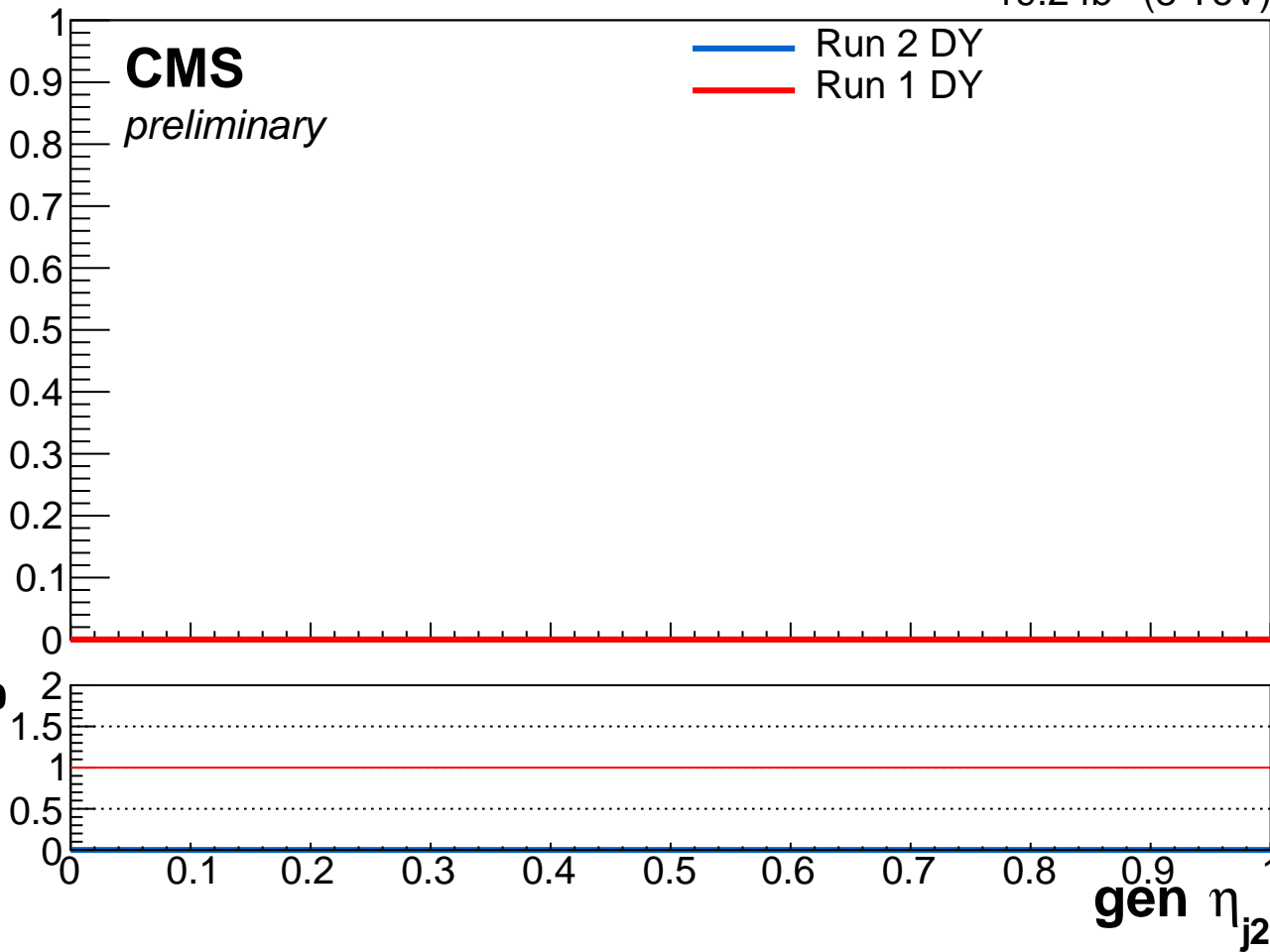
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen η_{j2}



19.2 fb⁻¹ (8 TeV)

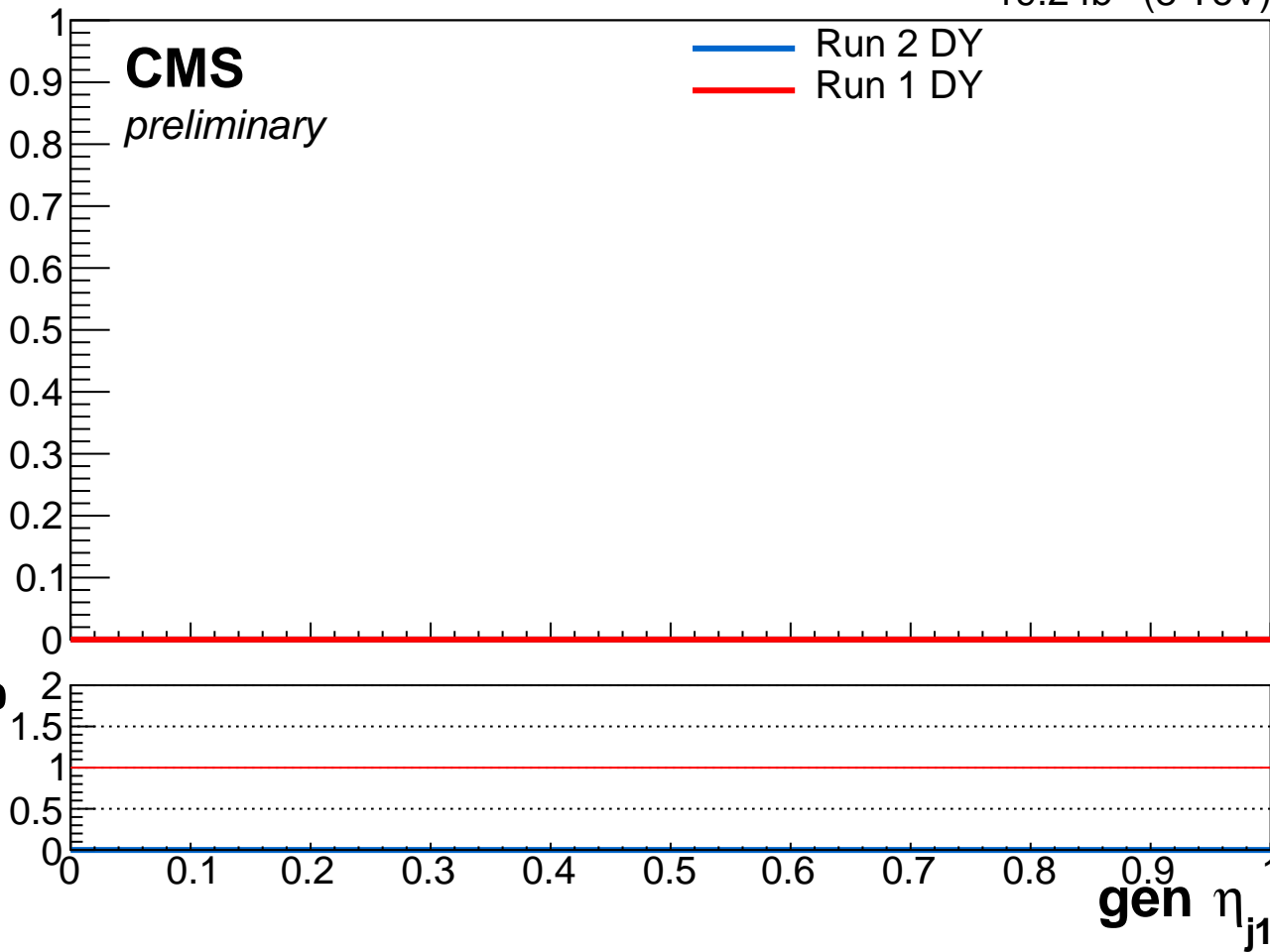
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen η_{j1}



19.2 fb⁻¹ (8 TeV)

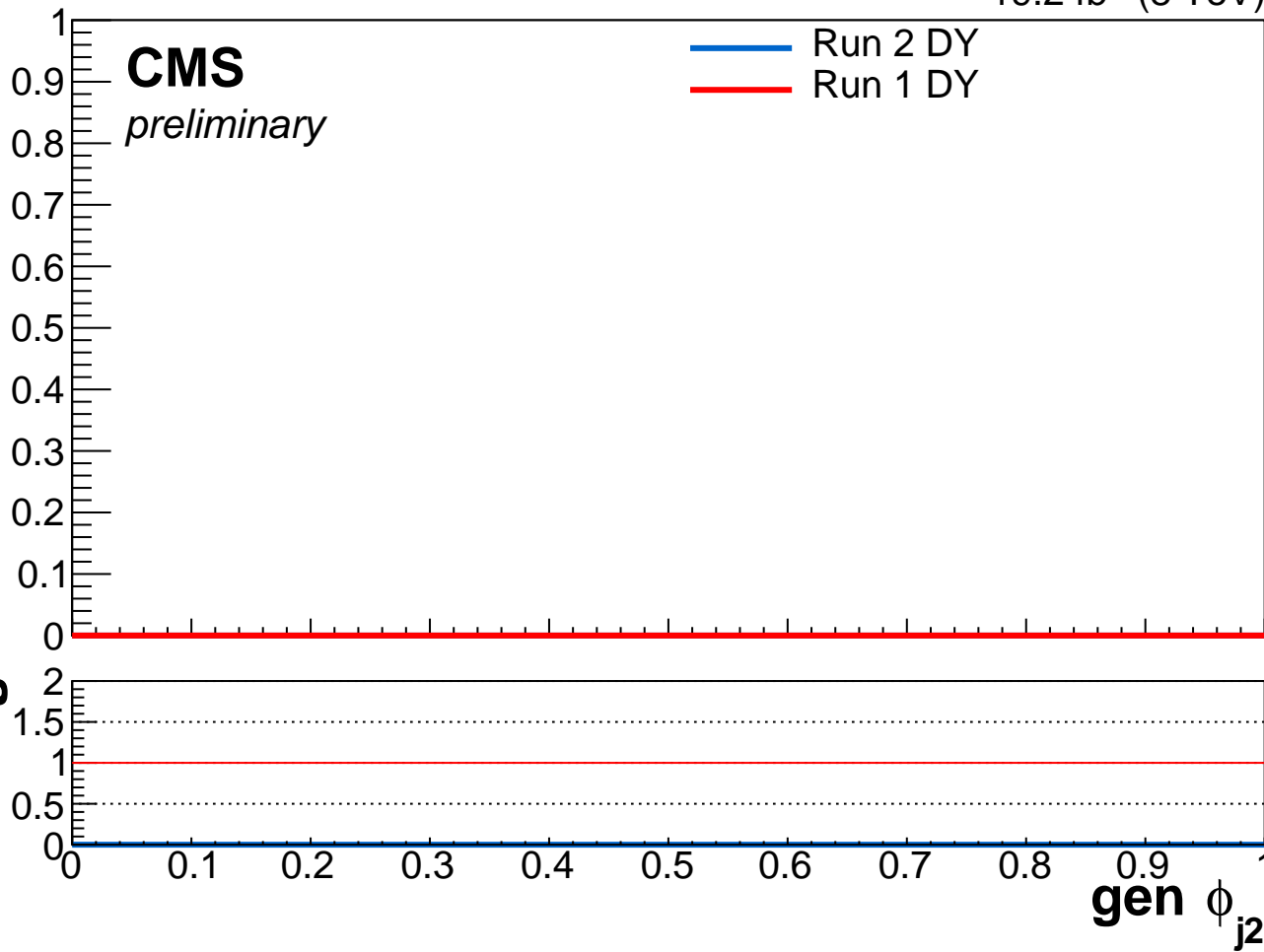
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen ϕ_{j2}



19.2 fb⁻¹ (8 TeV)

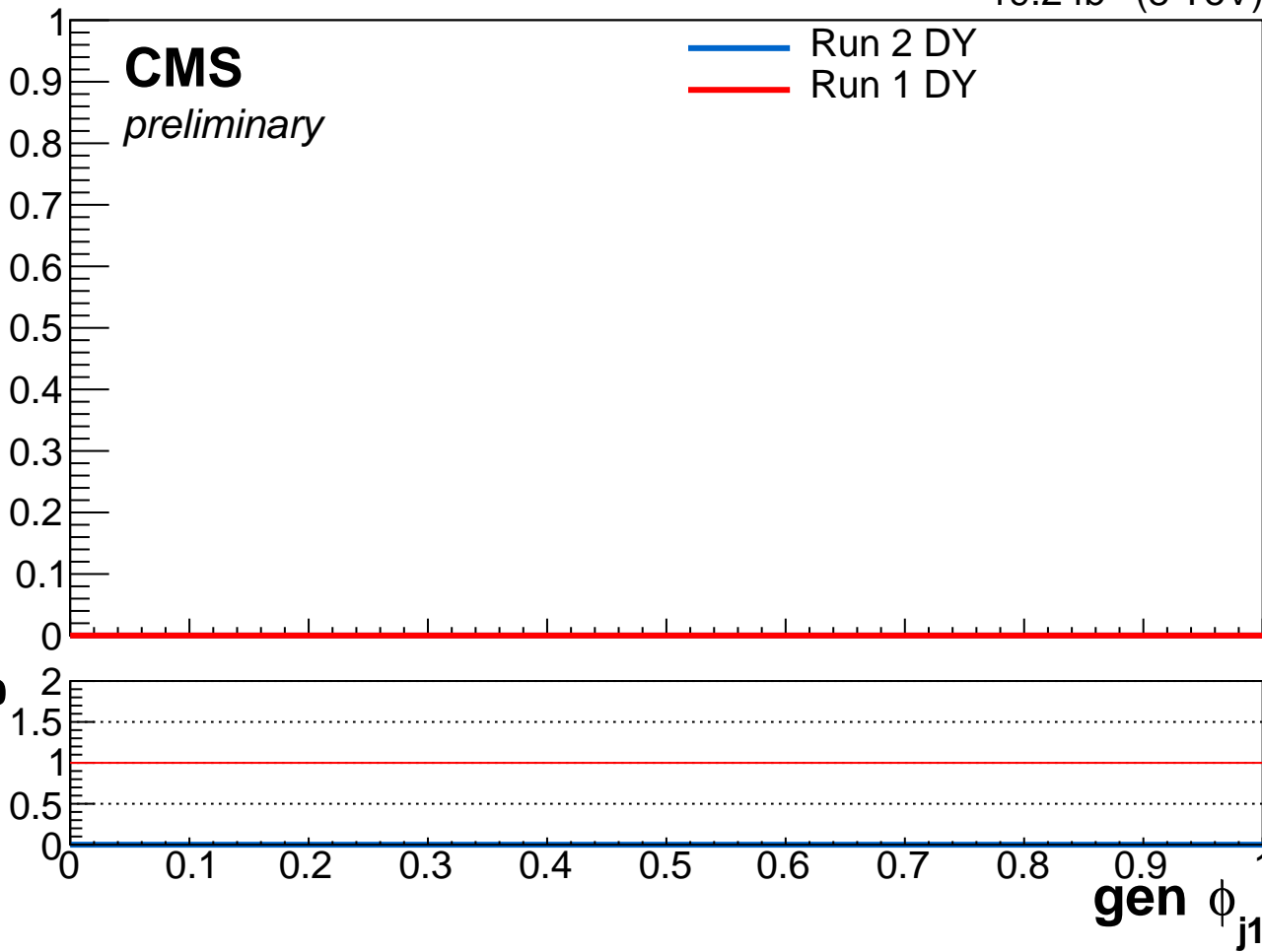
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen ϕ_{j1}



19.2 fb⁻¹ (8 TeV)

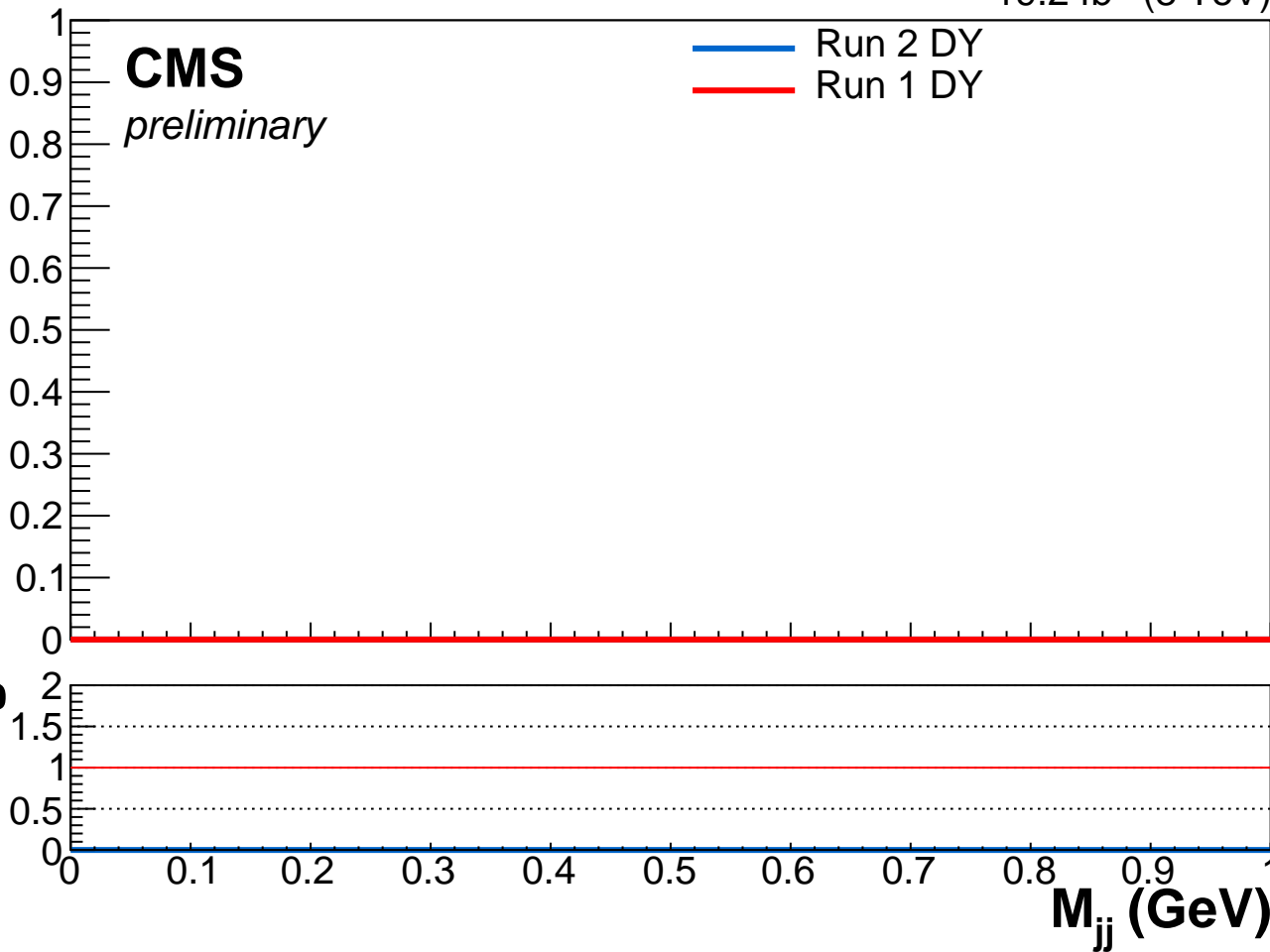
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

M_{jj} (GeV)



19.2 fb⁻¹ (8 TeV)

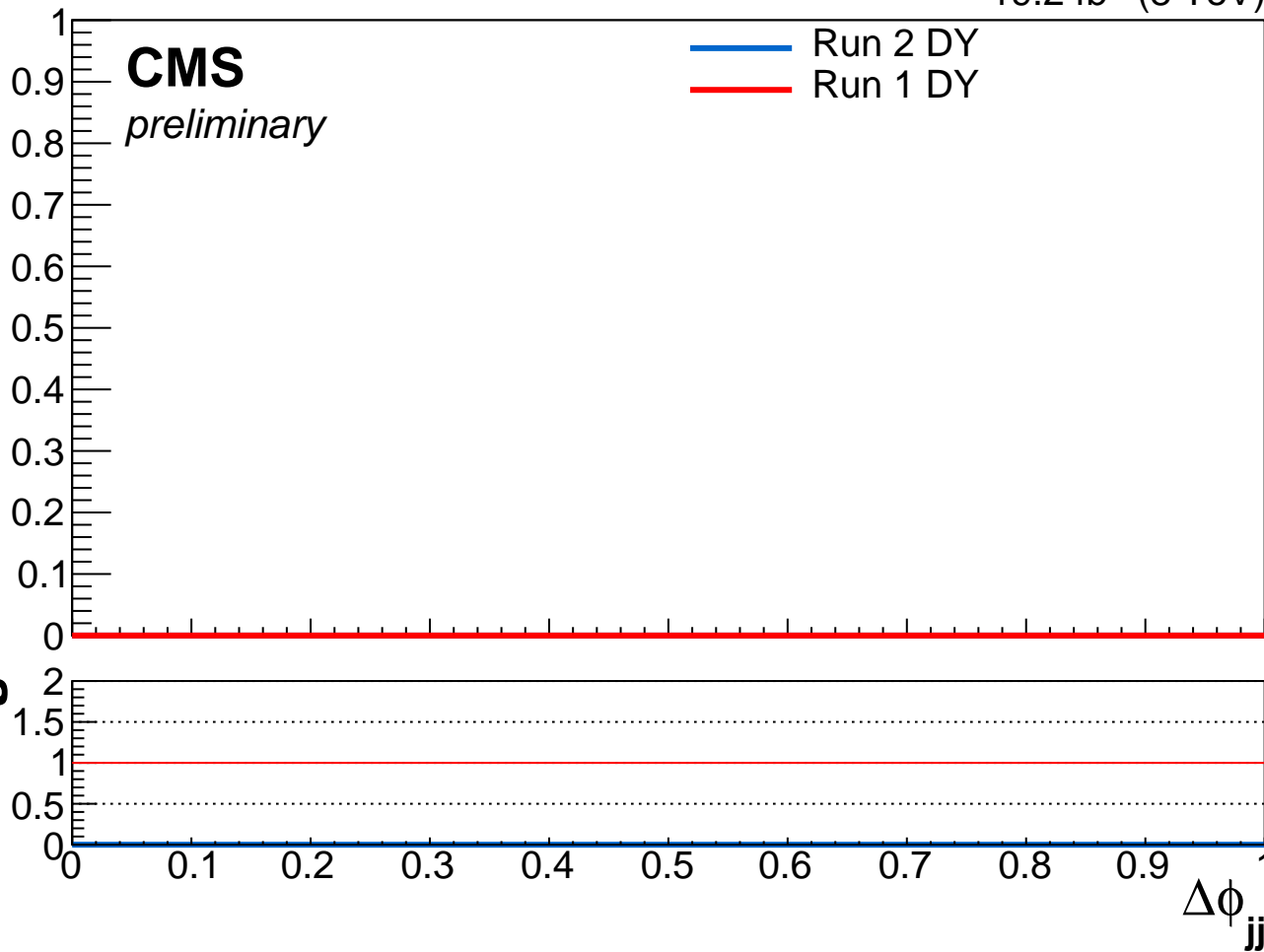
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$\Delta\phi_{jj}$



19.2 fb⁻¹ (8 TeV)

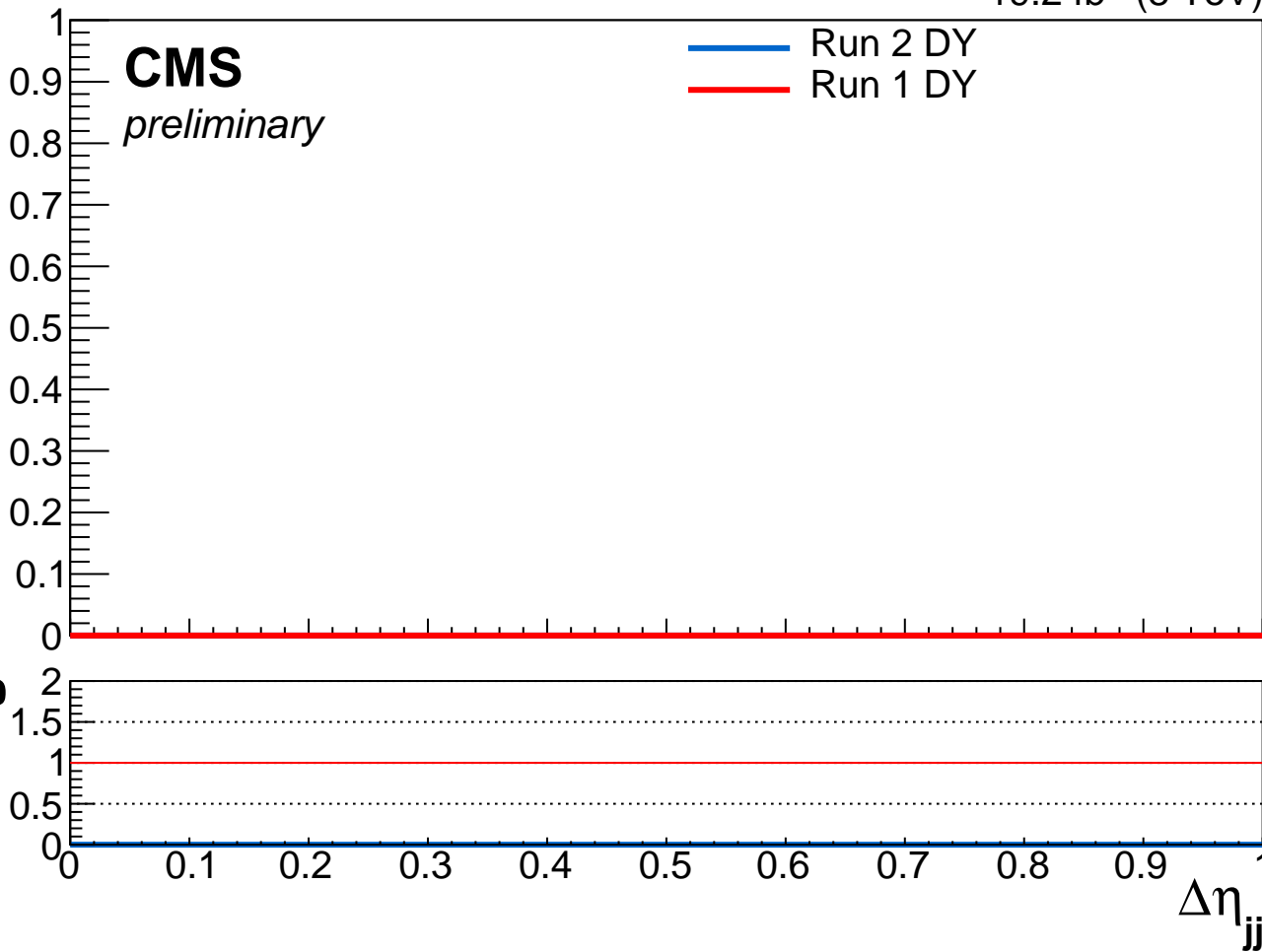
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

$\Delta\eta_{jj}$



19.2 fb⁻¹ (8 TeV)

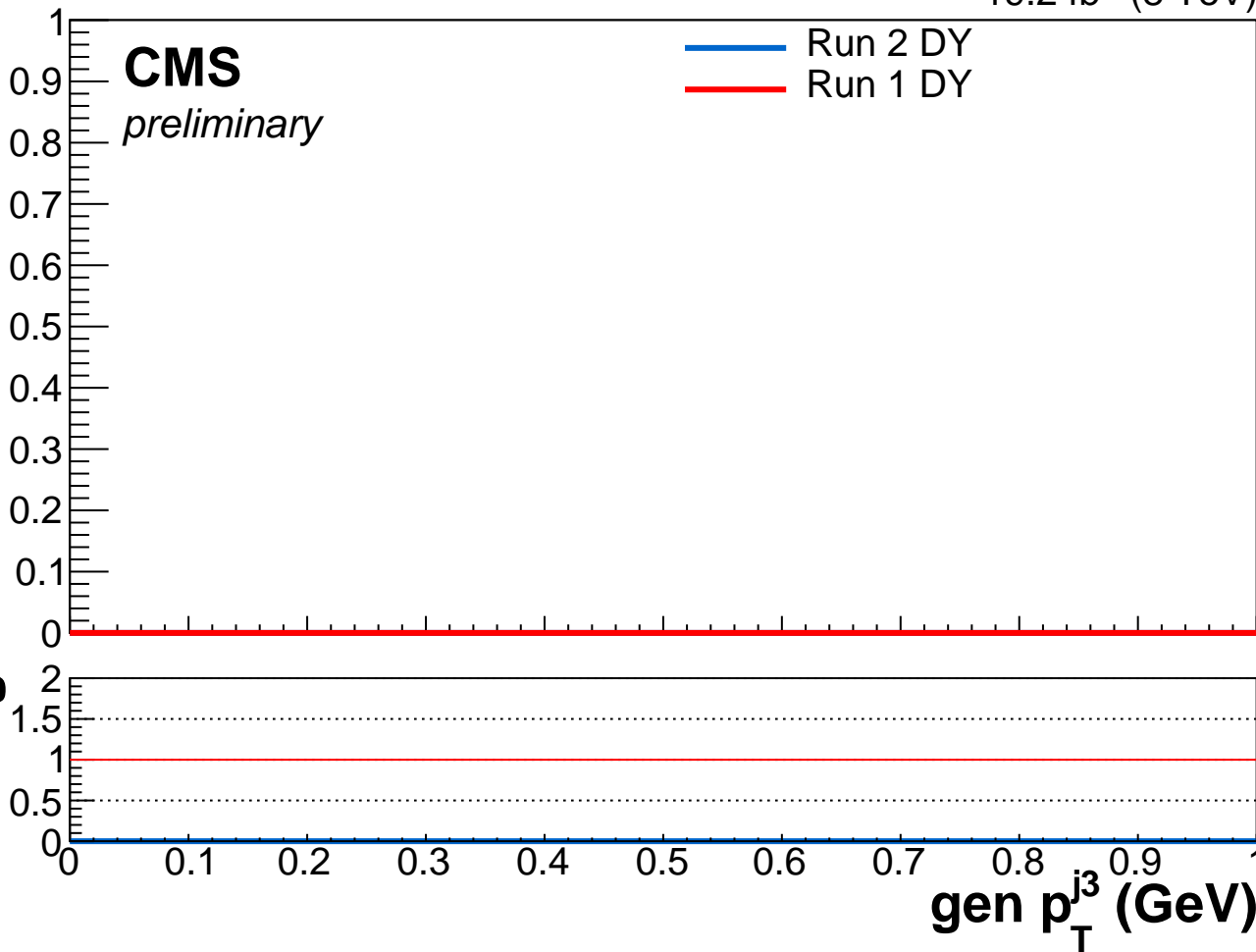
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen p_T^{j3} (GeV)



19.2 fb⁻¹ (8 TeV)

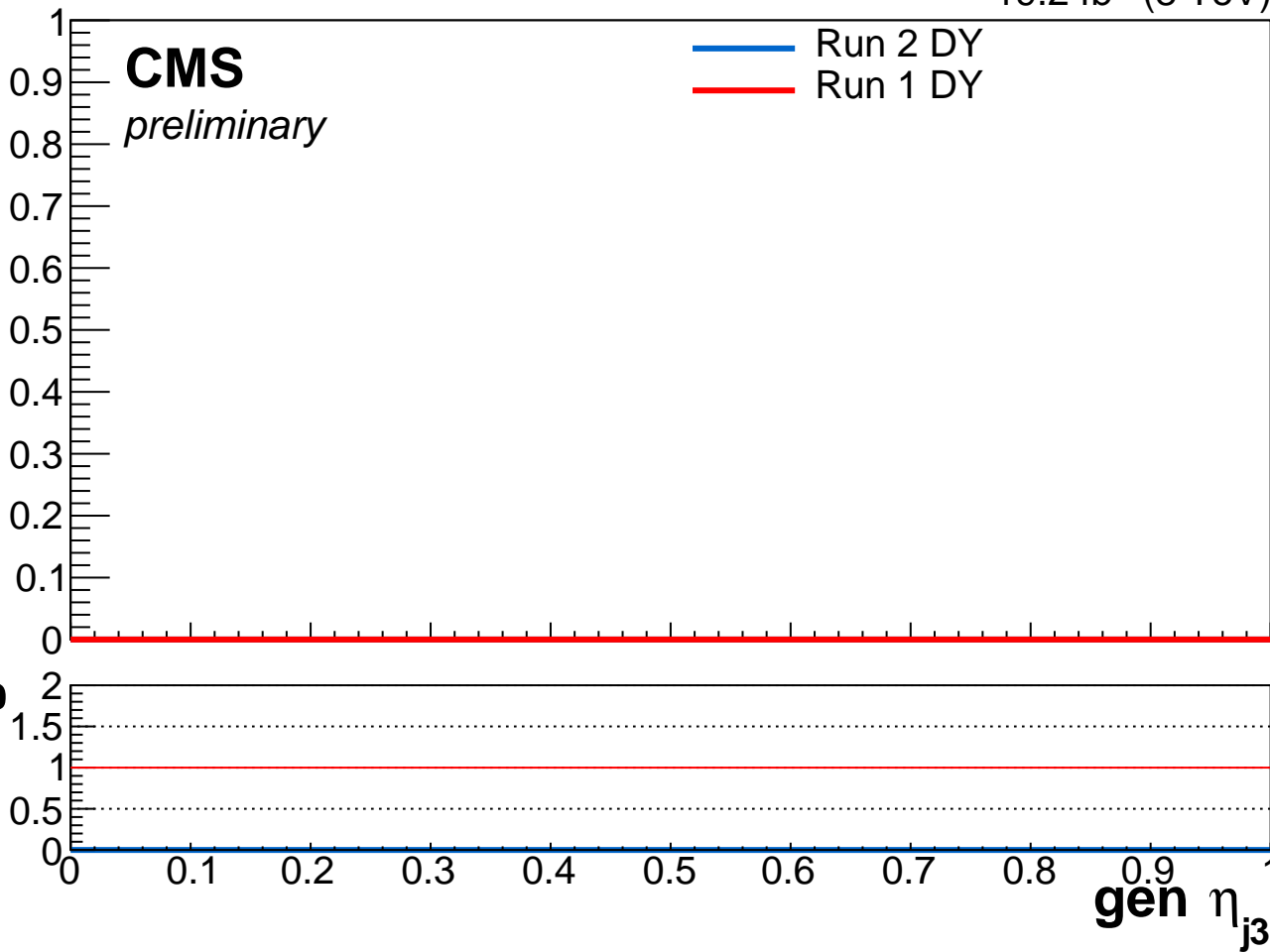
CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen η_{j3}



19.2 fb⁻¹ (8 TeV)

CMS

preliminary

Run 2 DY
Run 1 DY

Data/Bkg

gen ϕ_{j3}

