

19.2 fb⁻¹ (8 TeV)

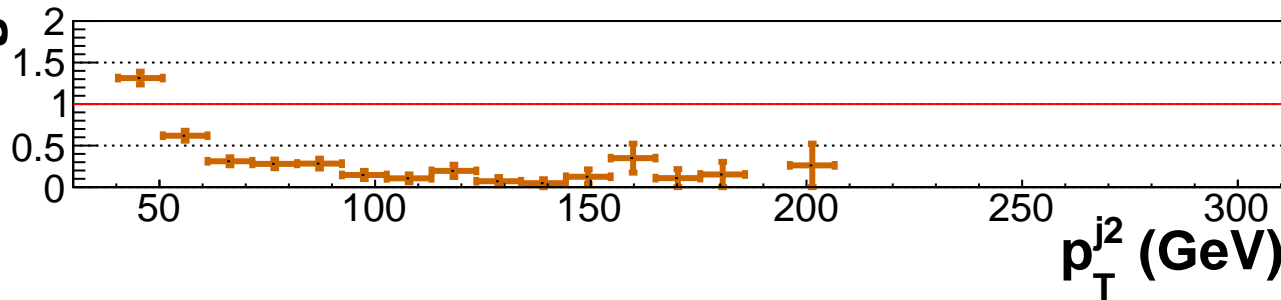
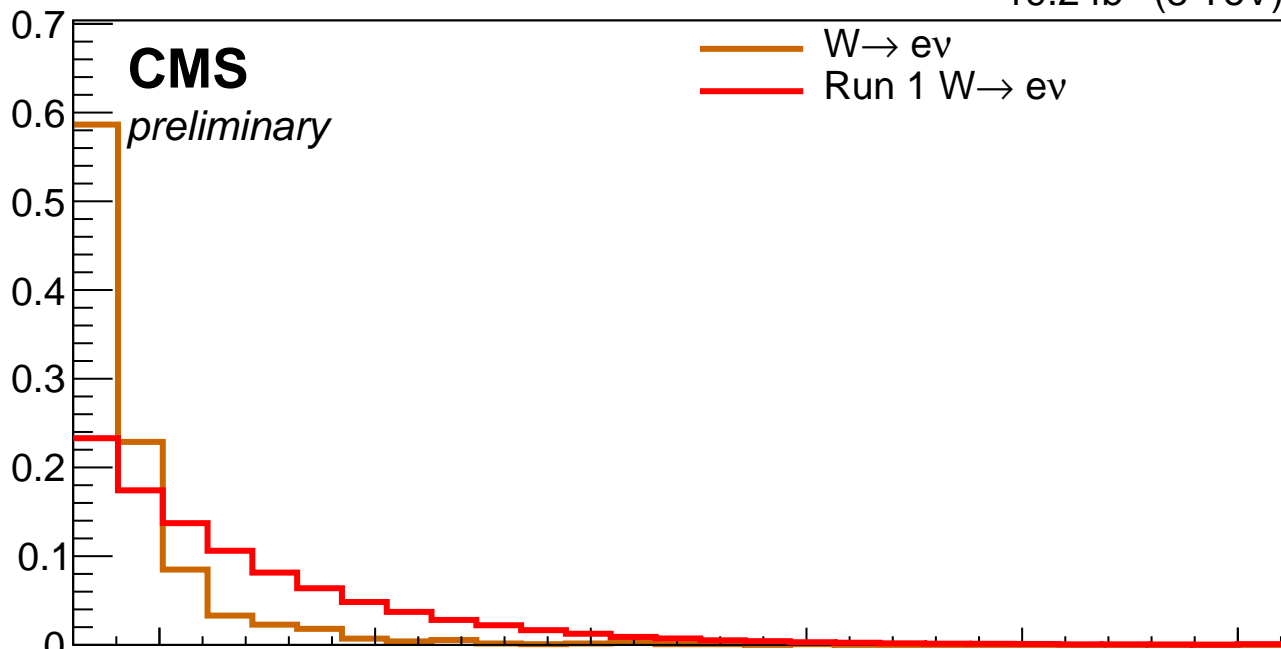
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

p_T^{j2} (GeV)



19.2 fb⁻¹ (8 TeV)

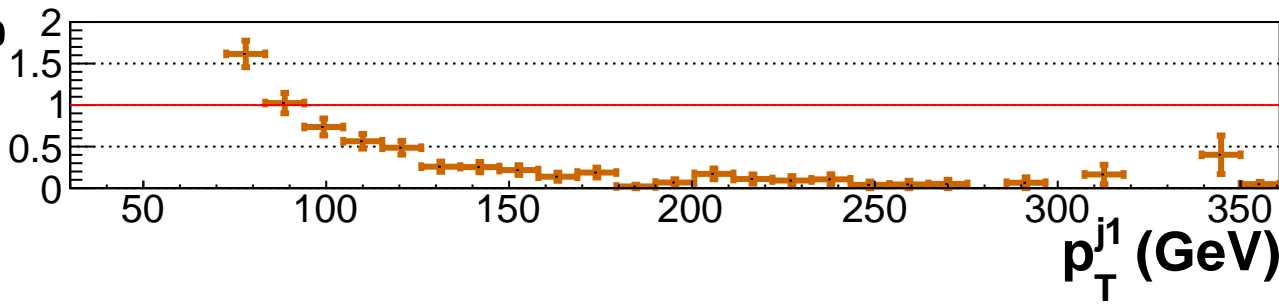
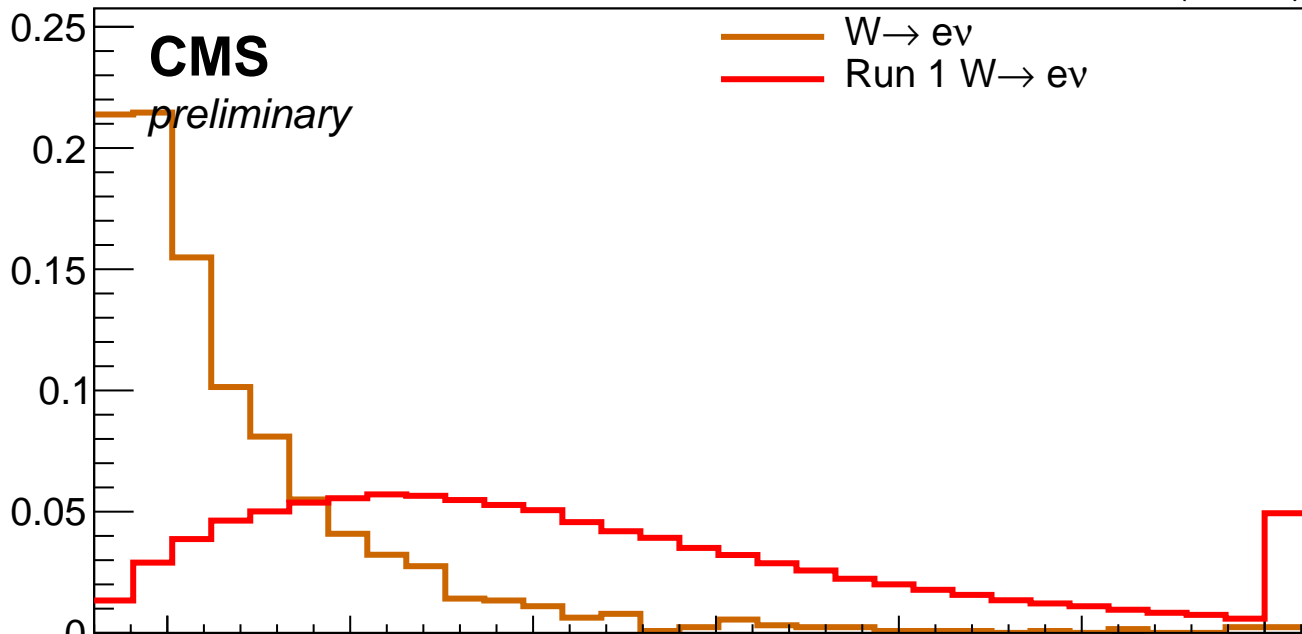
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

p_T^{j1} (GeV)



19.2 fb⁻¹ (8 TeV)

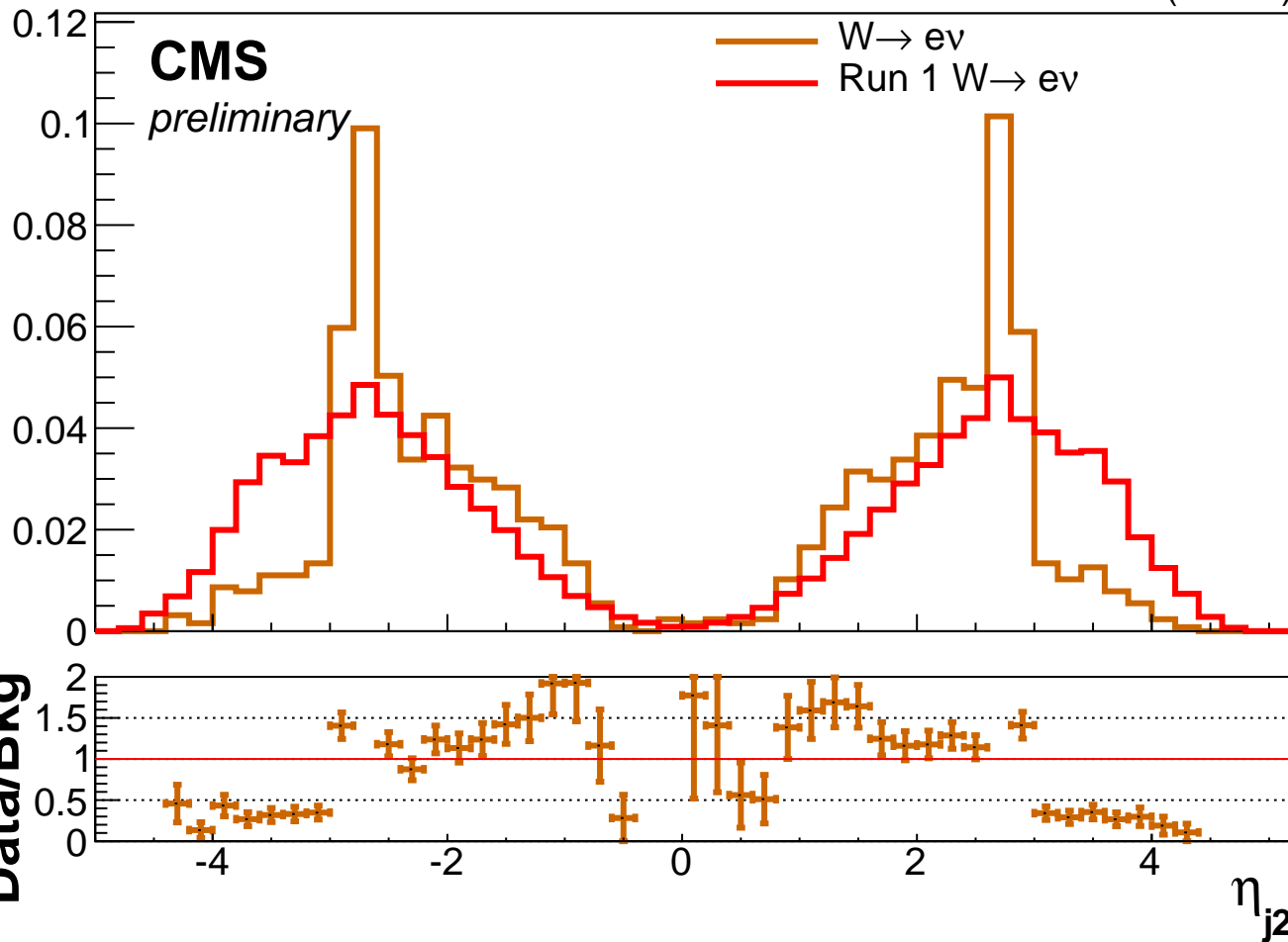
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

η_{j2}



19.2 fb⁻¹ (8 TeV)

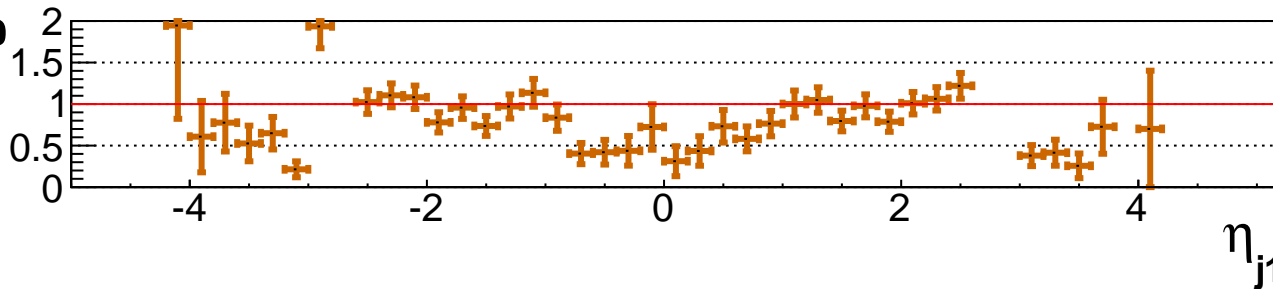
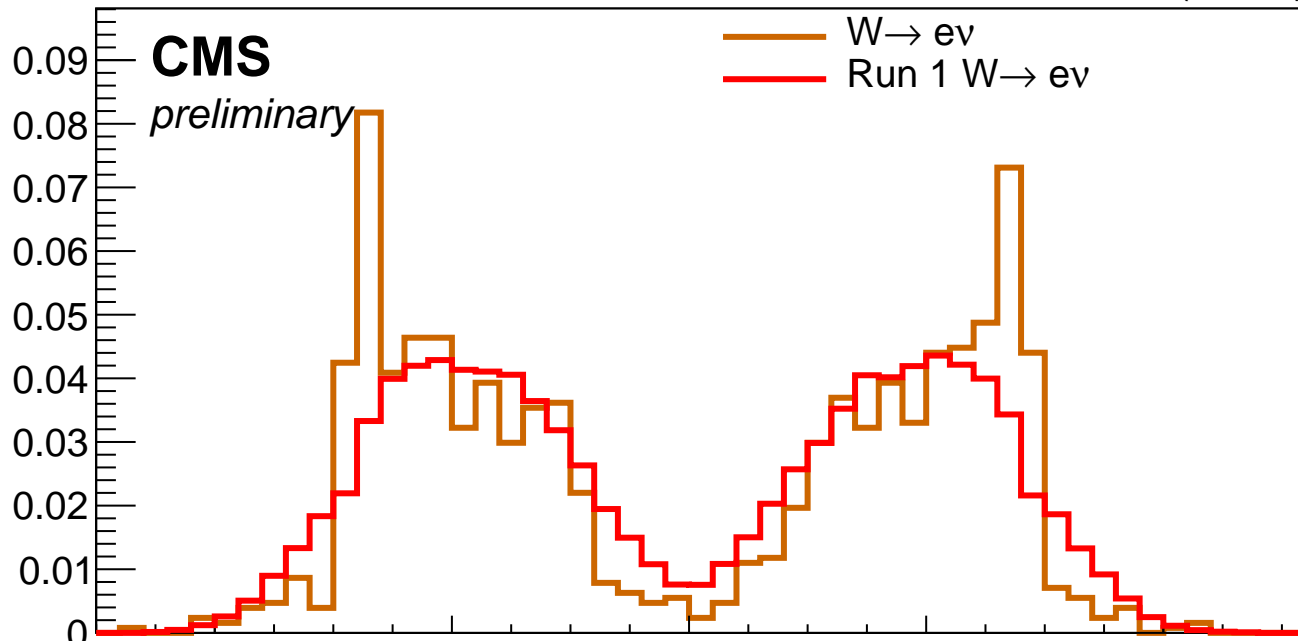
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

η_{j1}



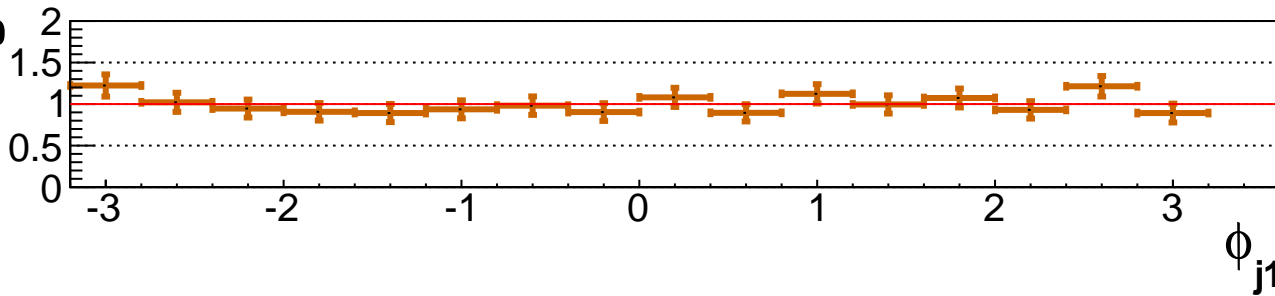
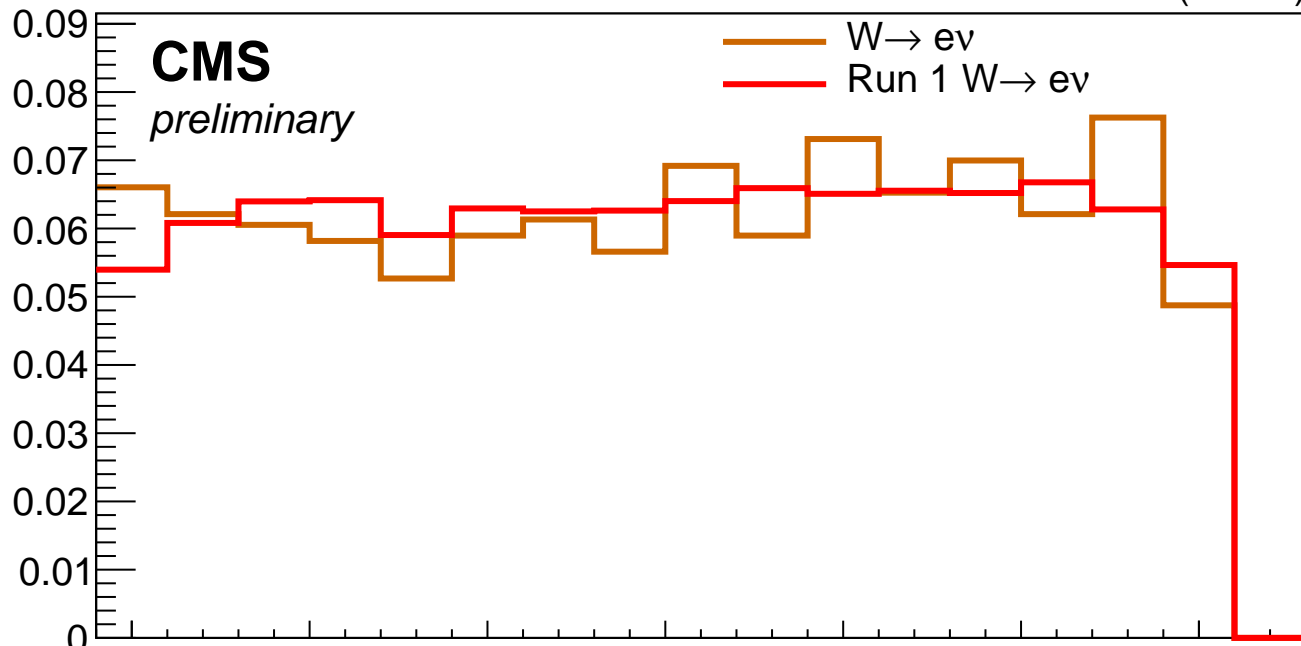
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

ϕ_{j1}



19.2 fb⁻¹ (8 TeV)

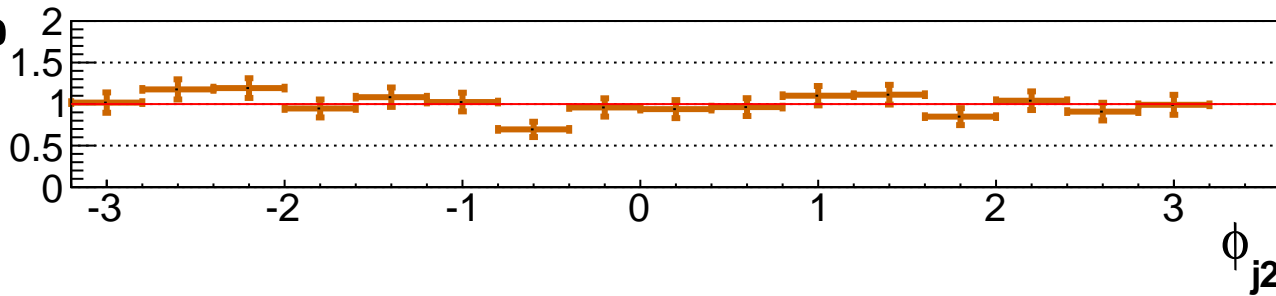
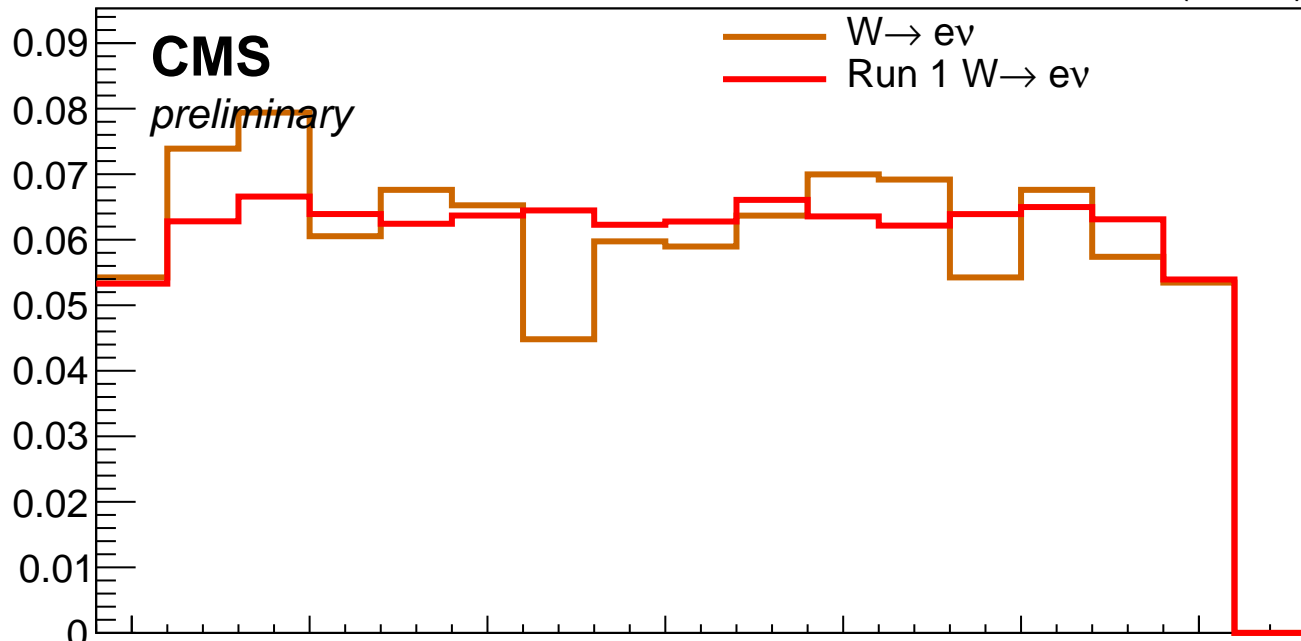
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

ϕ_{j2}

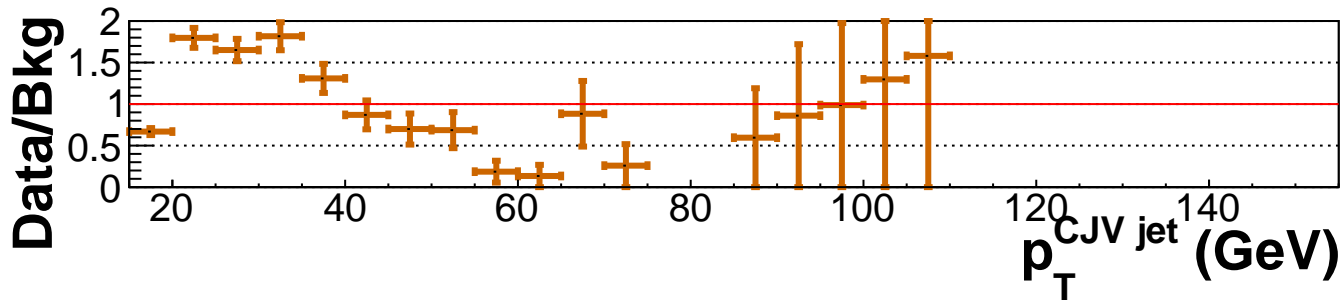


19.2 fb⁻¹ (8 TeV)

CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

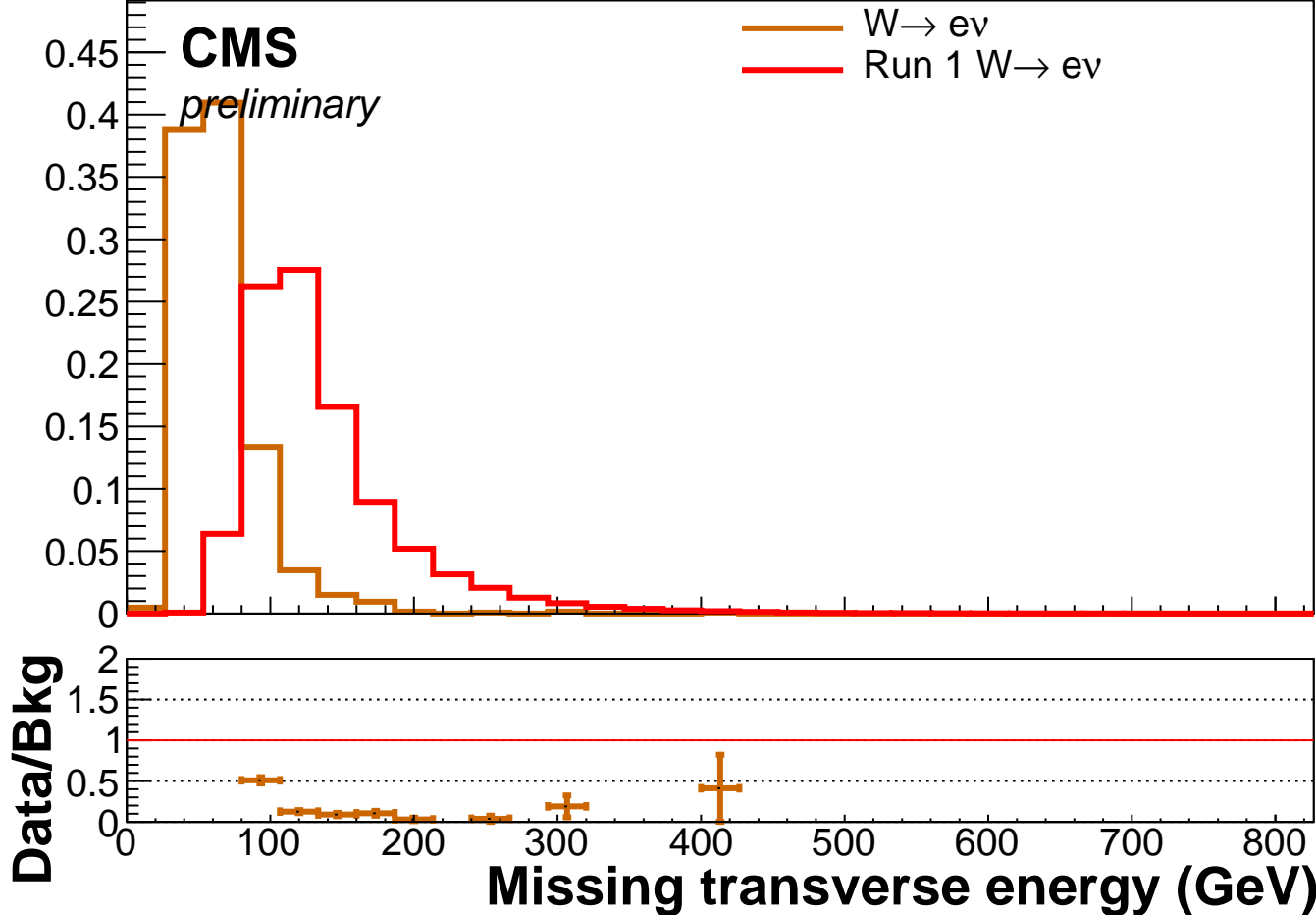


19.2 fb⁻¹ (8 TeV)

CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

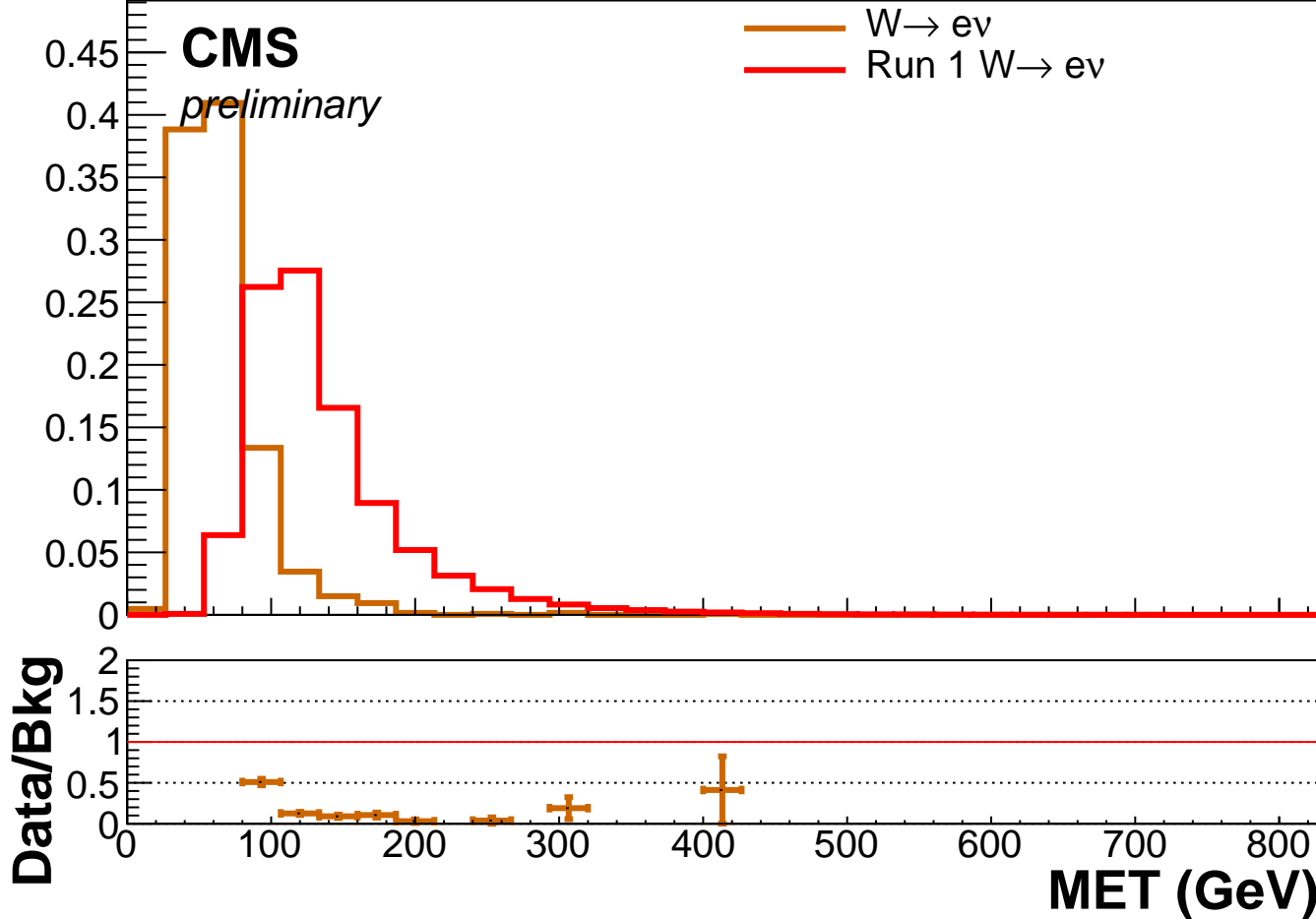


19.2 fb⁻¹ (8 TeV)

CMS

preliminary

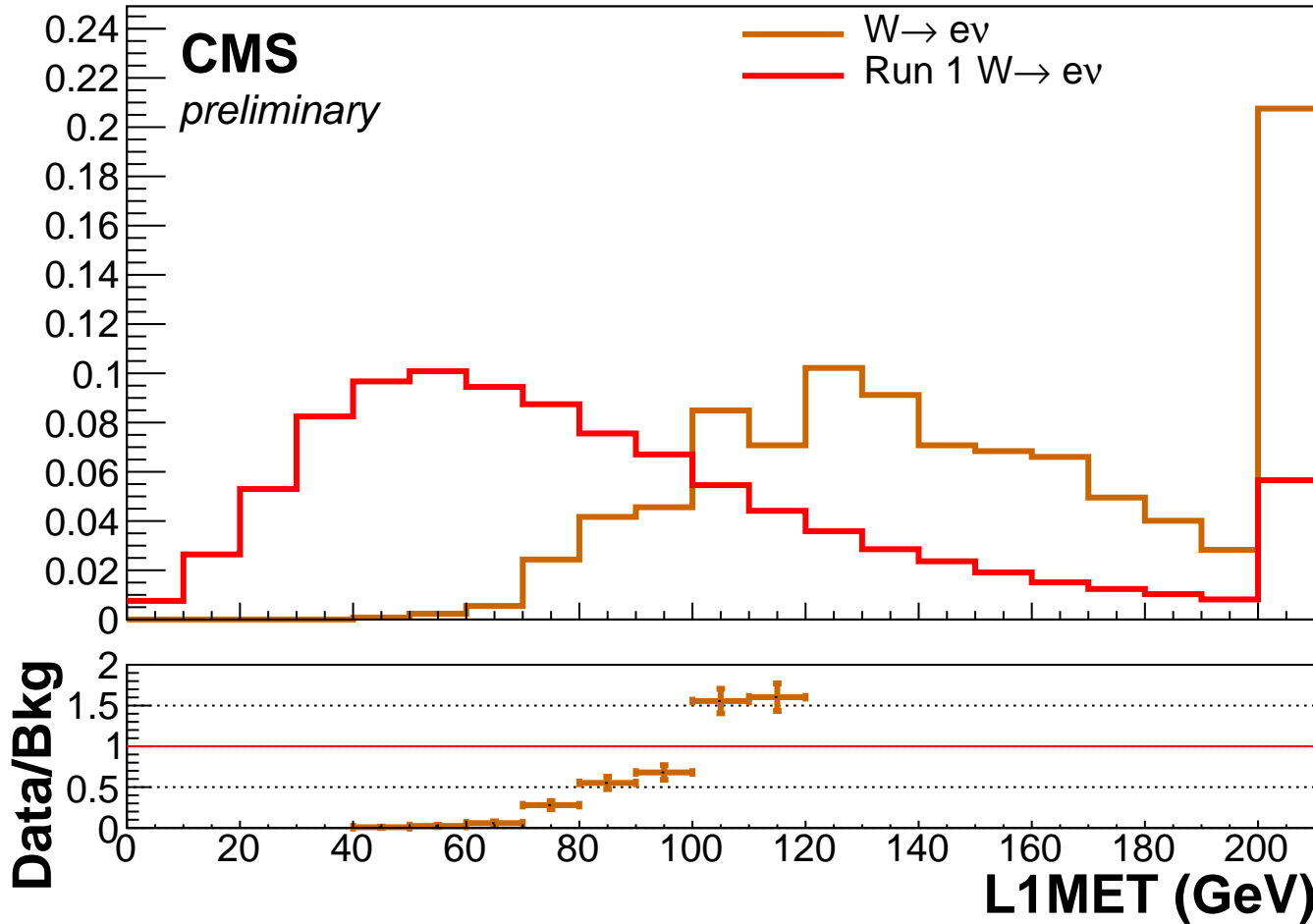
— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$



19.2 fb⁻¹ (8 TeV)

CMS
preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$



19.2 fb⁻¹ (8 TeV)

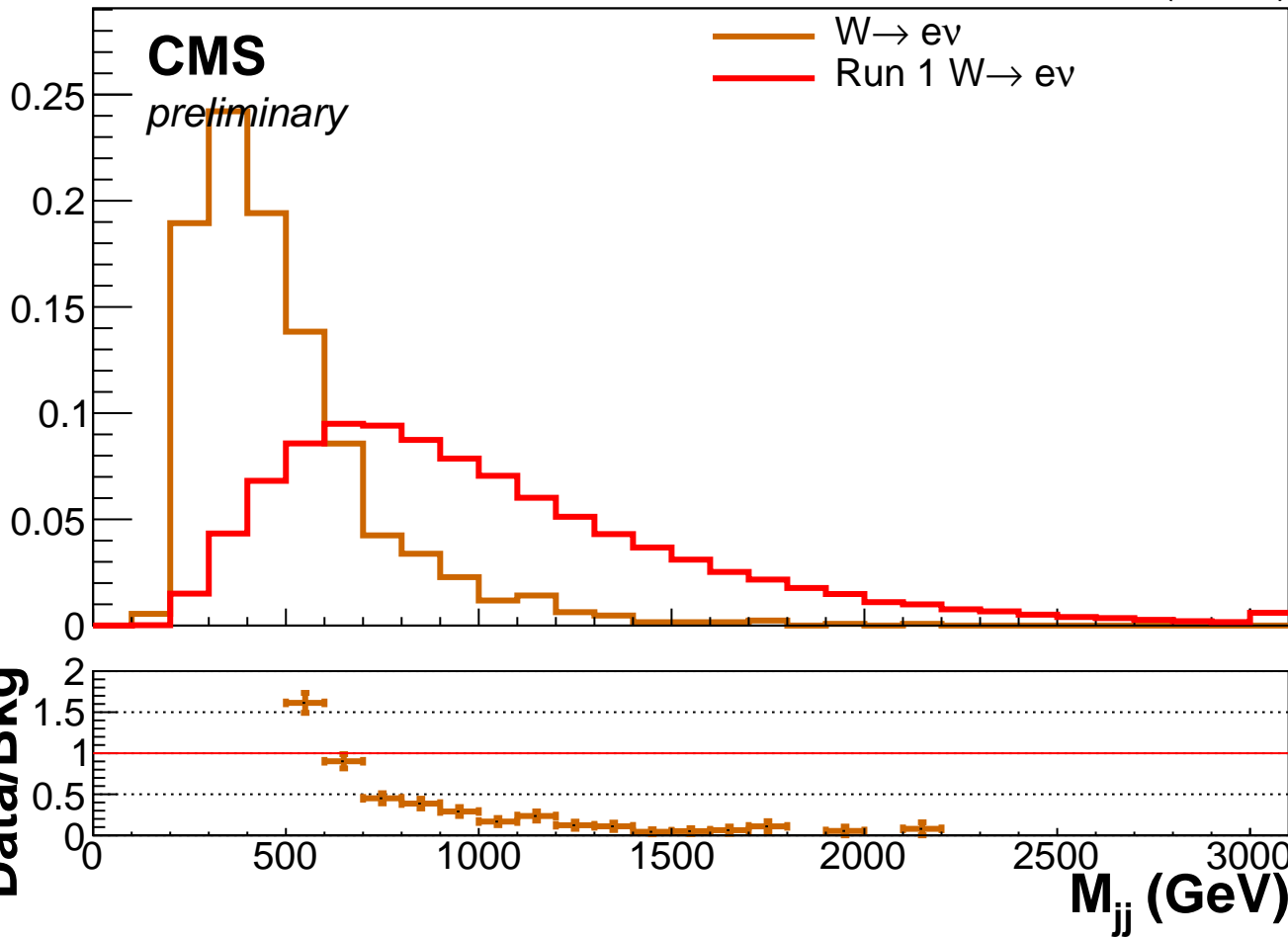
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

M_{jj} (GeV)



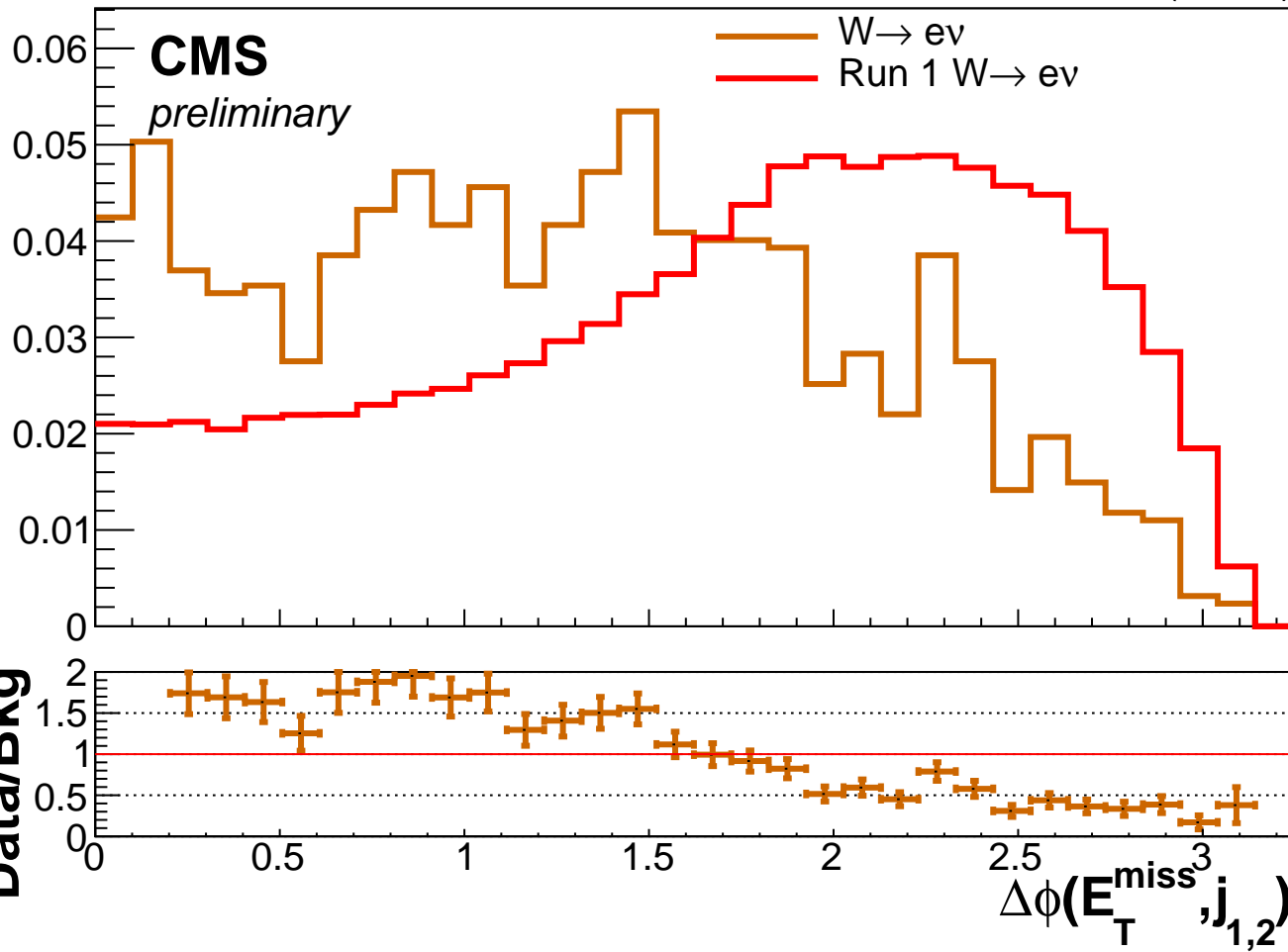
19.2 fb⁻¹ (8 TeV)

CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg



19.2 fb⁻¹ (8 TeV)

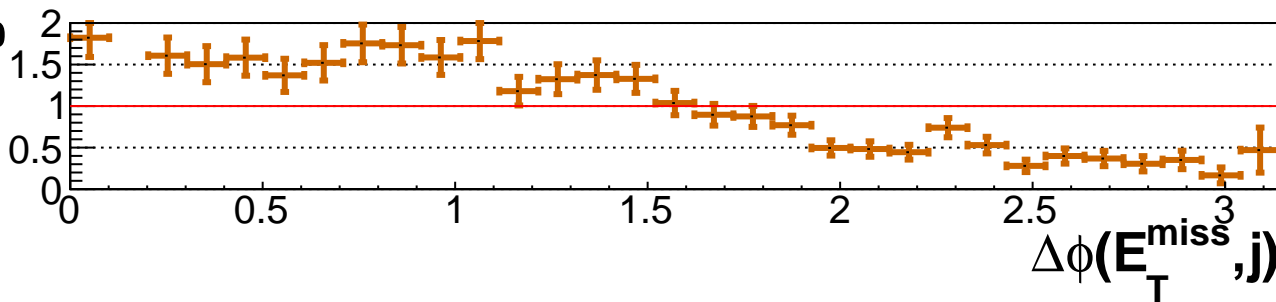
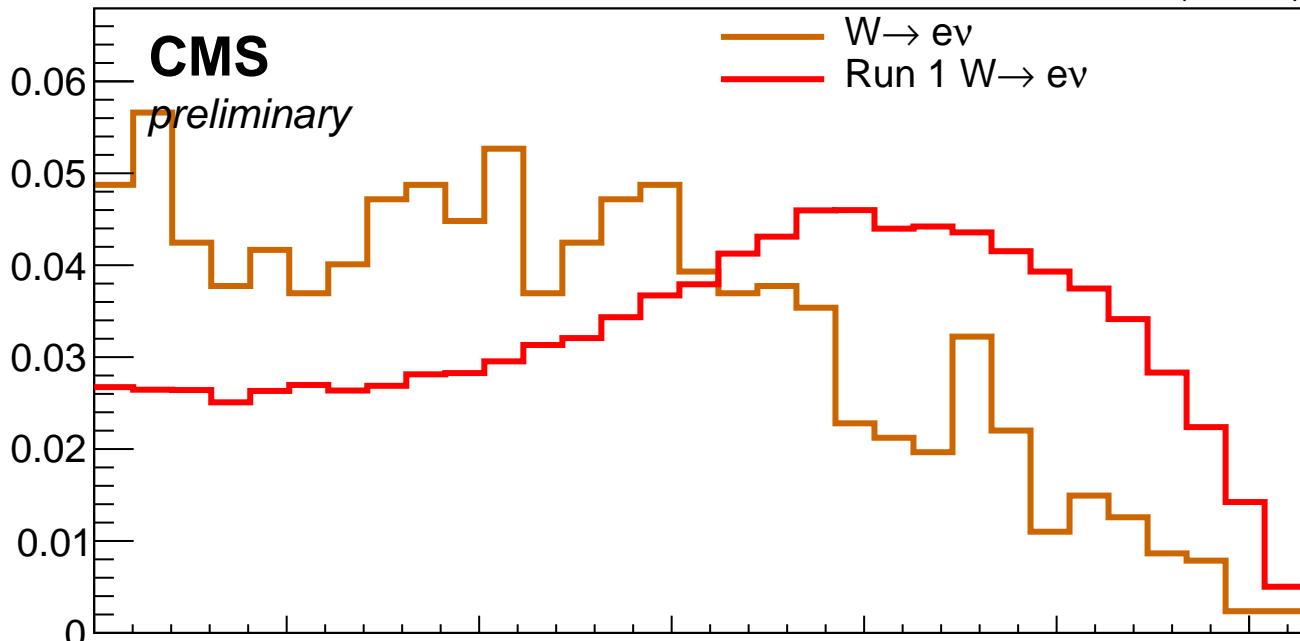
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

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



19.2 fb⁻¹ (8 TeV)

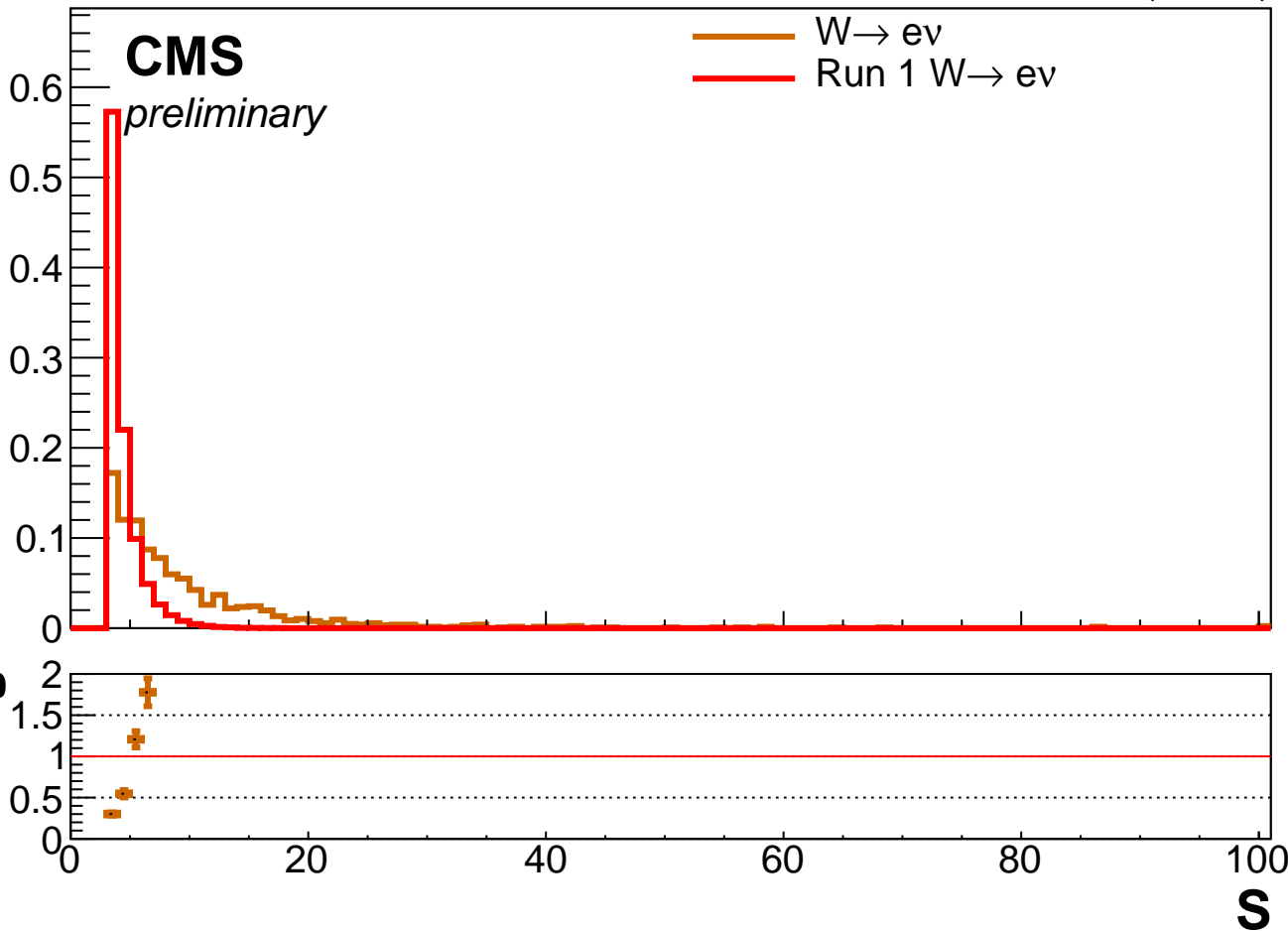
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

S



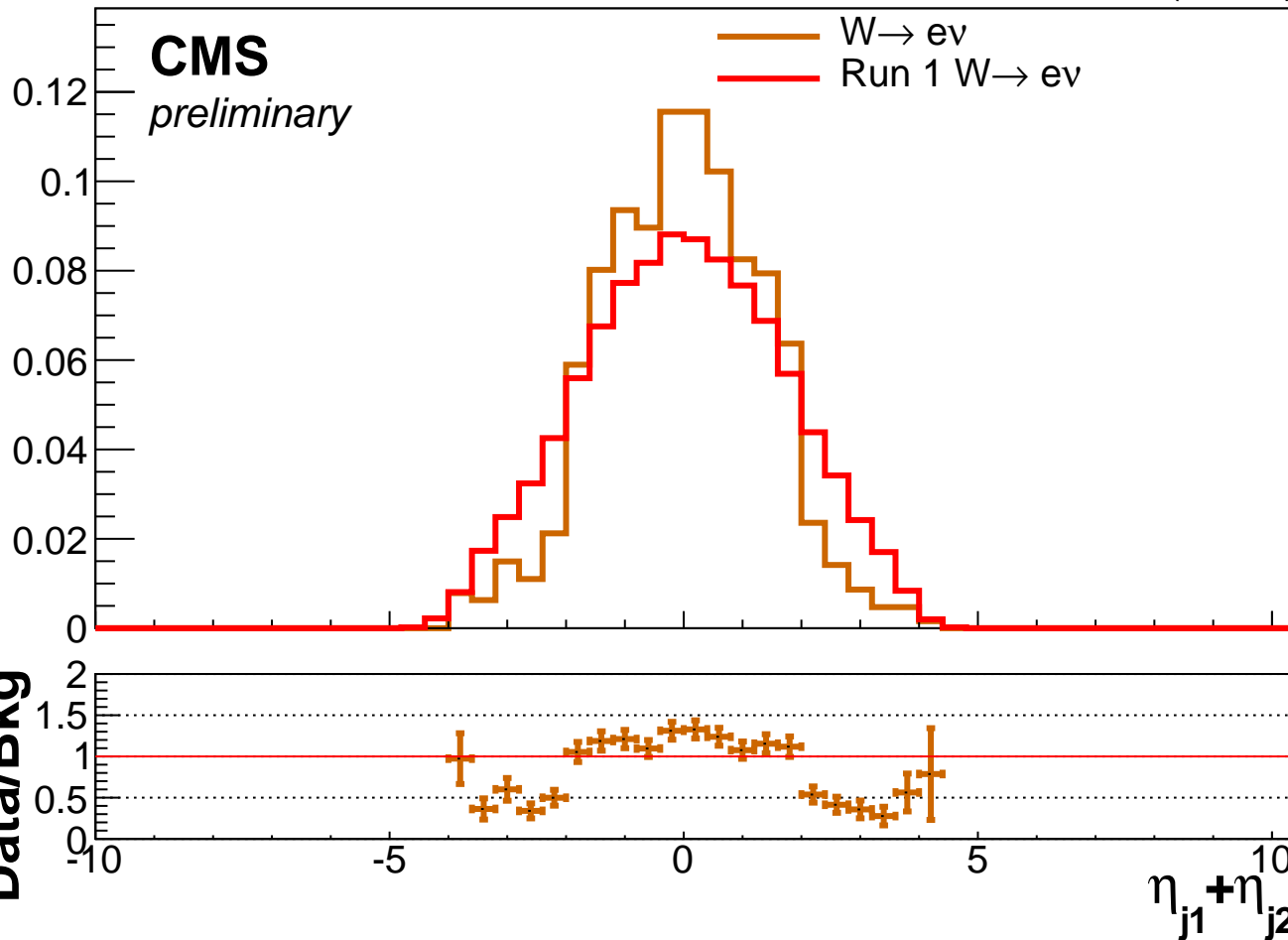
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

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



19.2 fb⁻¹ (8 TeV)

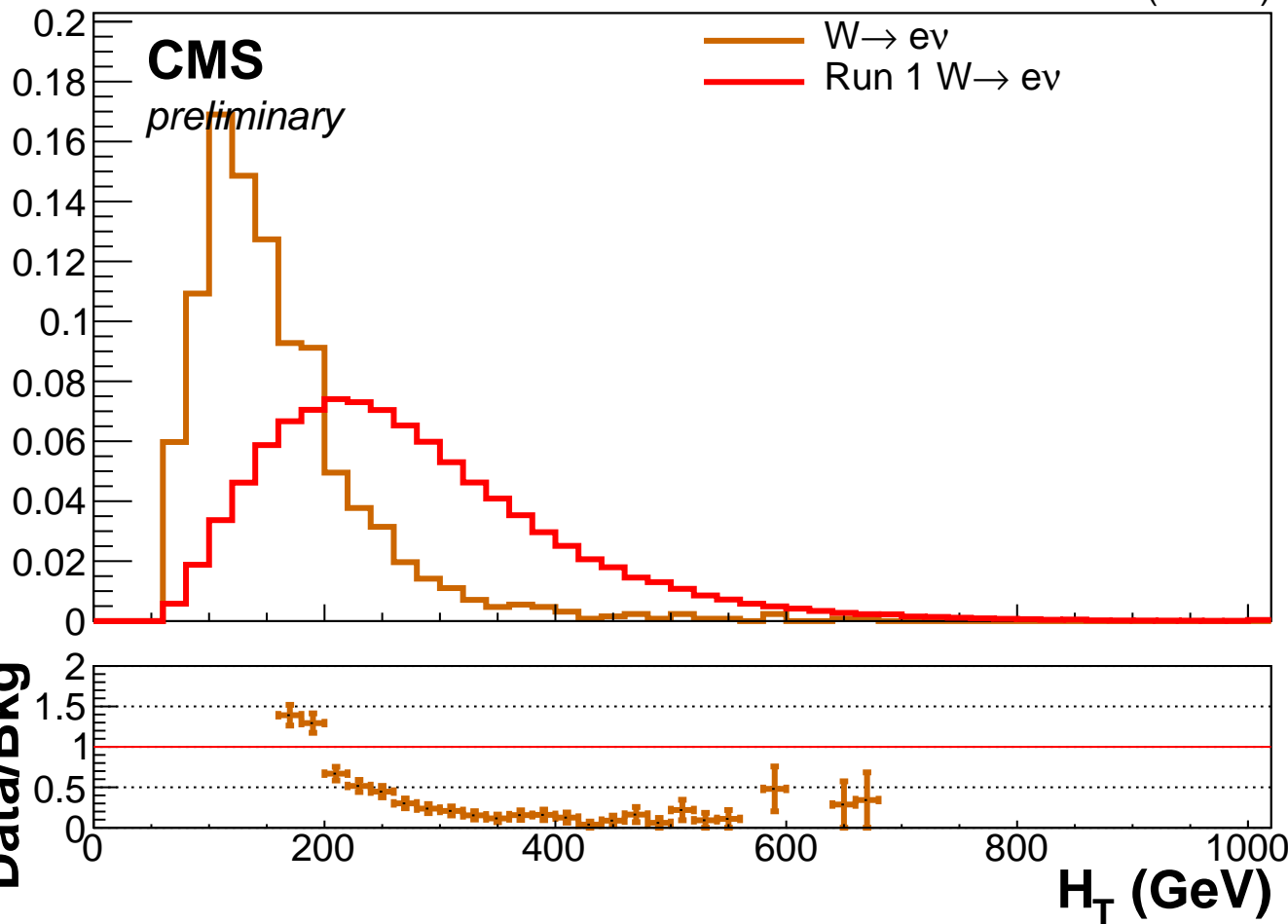
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

H_T (GeV)



19.2 fb⁻¹ (8 TeV)

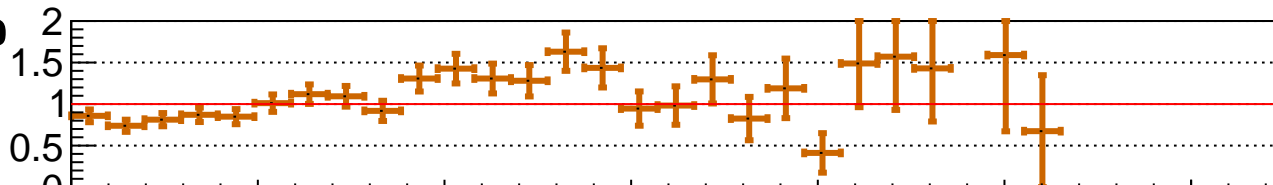
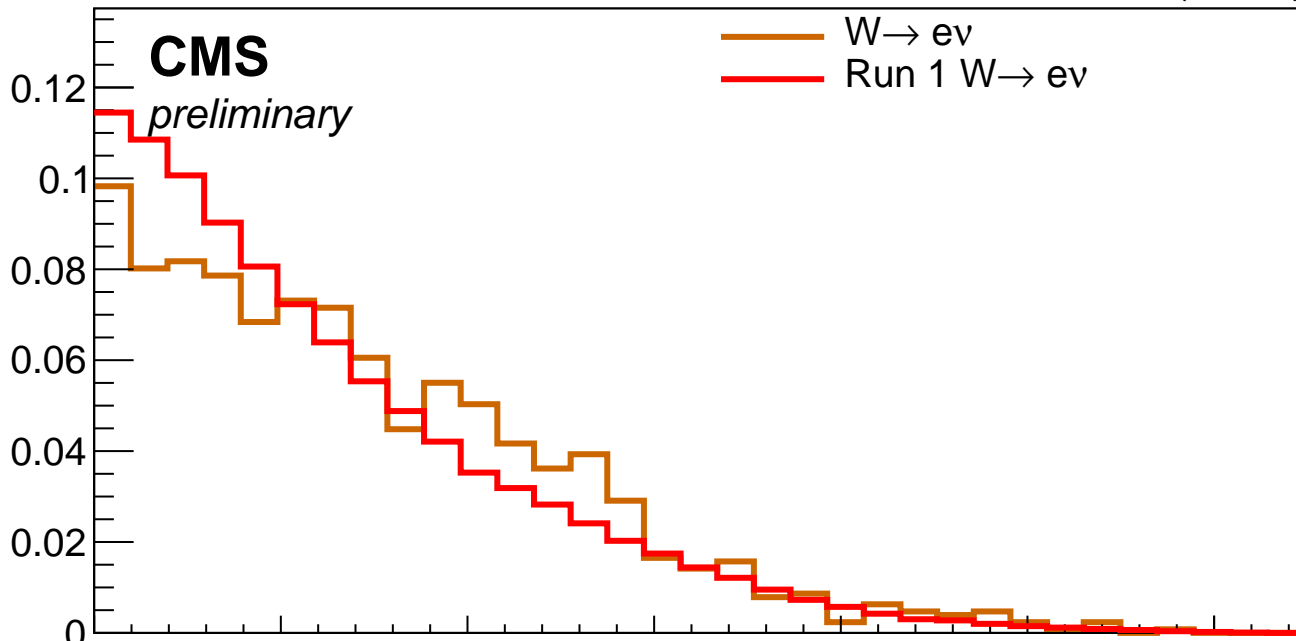
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

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



19.2 fb⁻¹ (8 TeV)

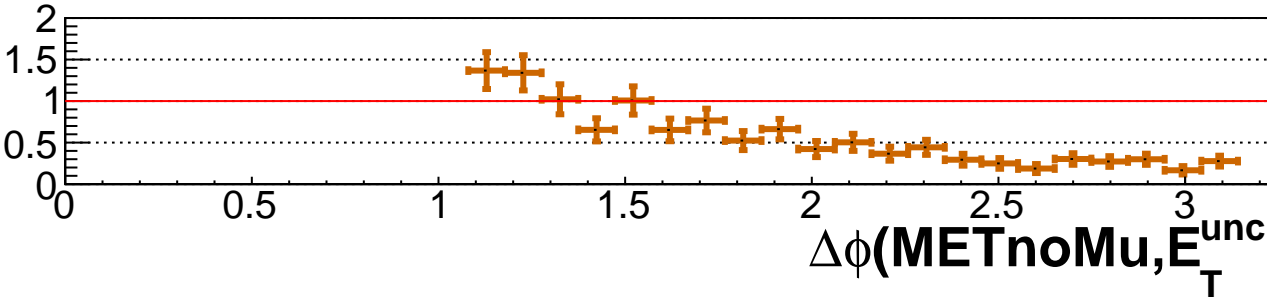
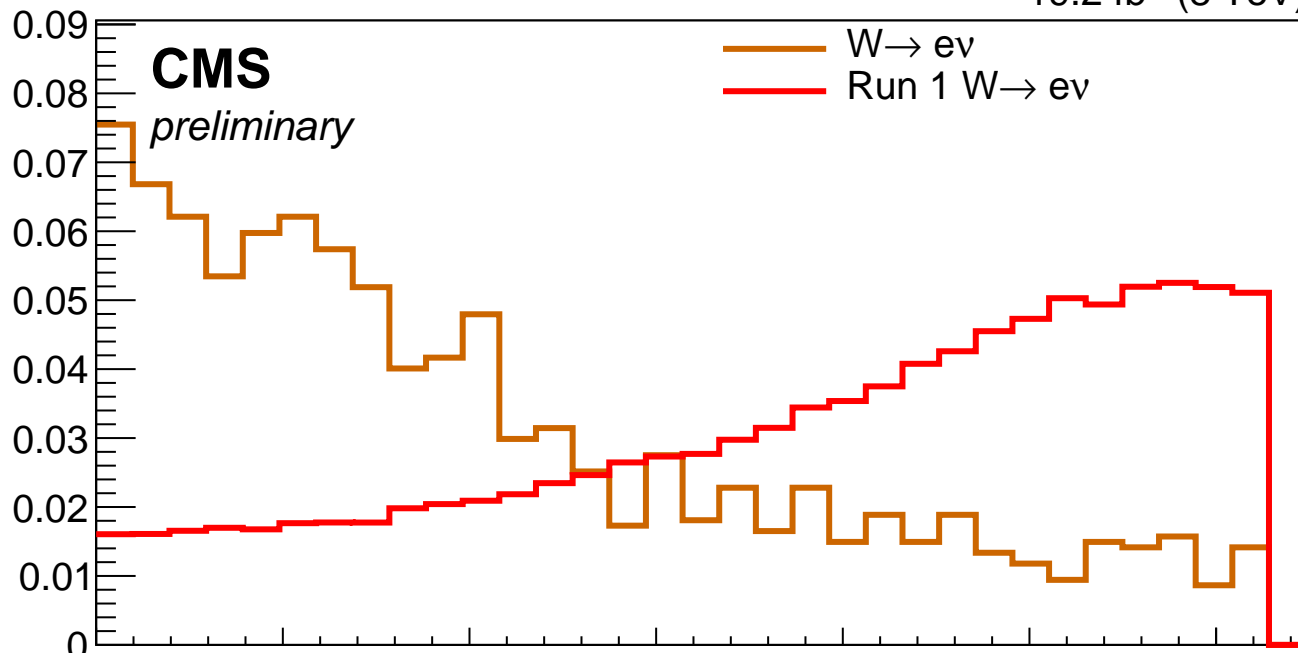
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

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



19.2 fb⁻¹ (8 TeV)

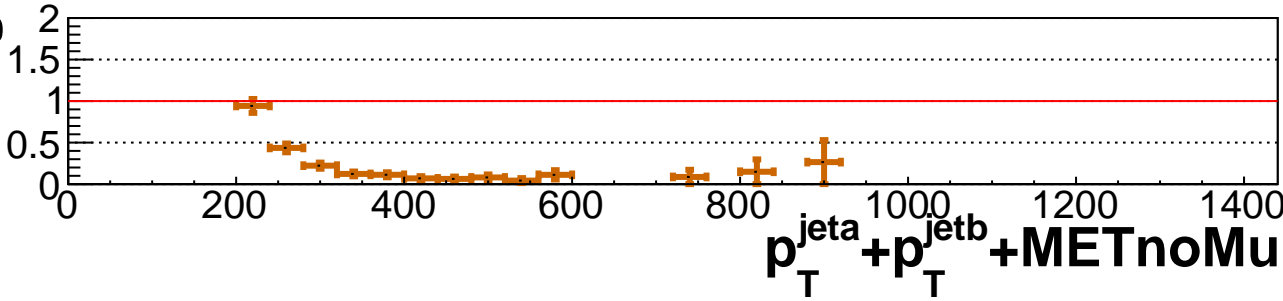
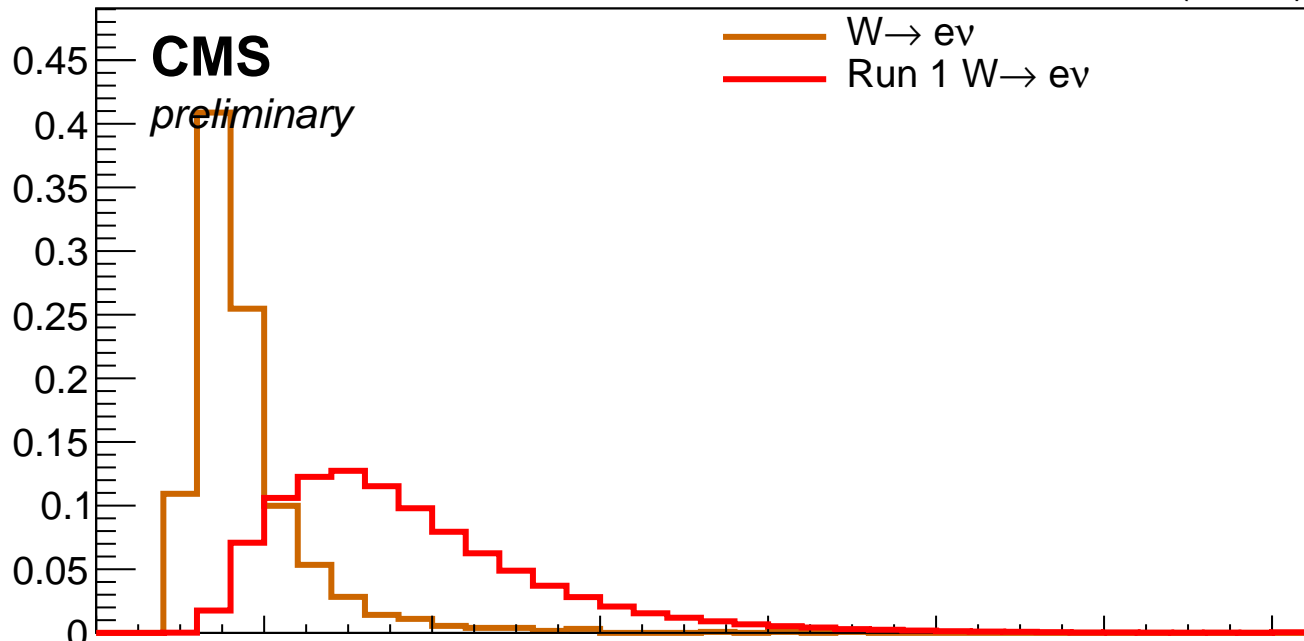
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

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



19.2 fb⁻¹ (8 TeV)

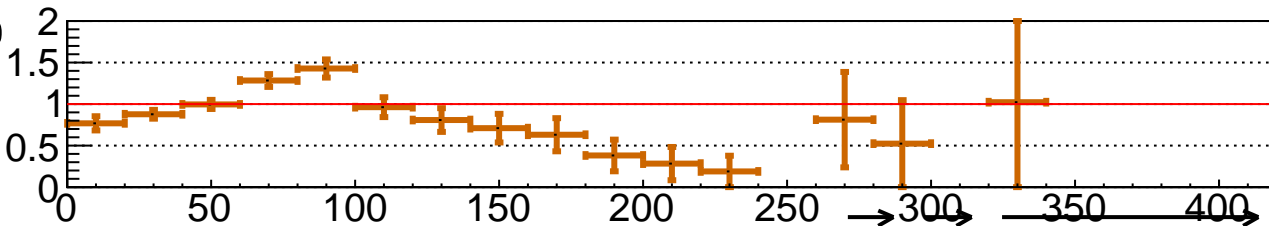
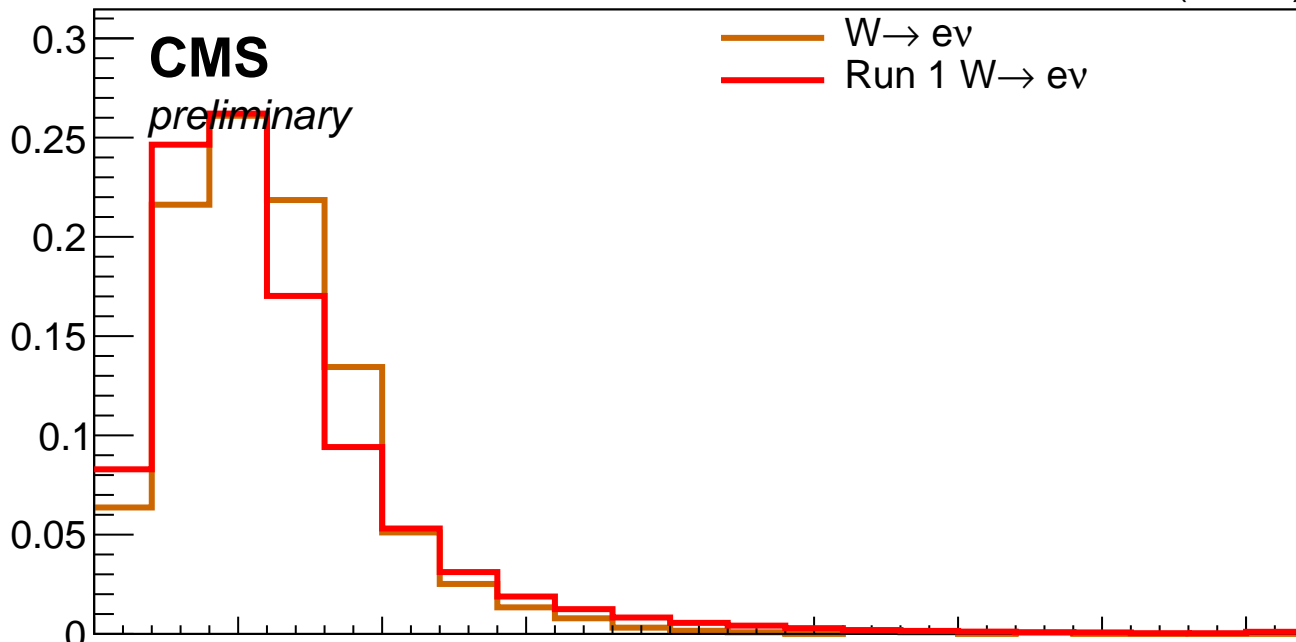
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

$p_T(ja+jb+METnoMu)$



19.2 fb⁻¹ (8 TeV)

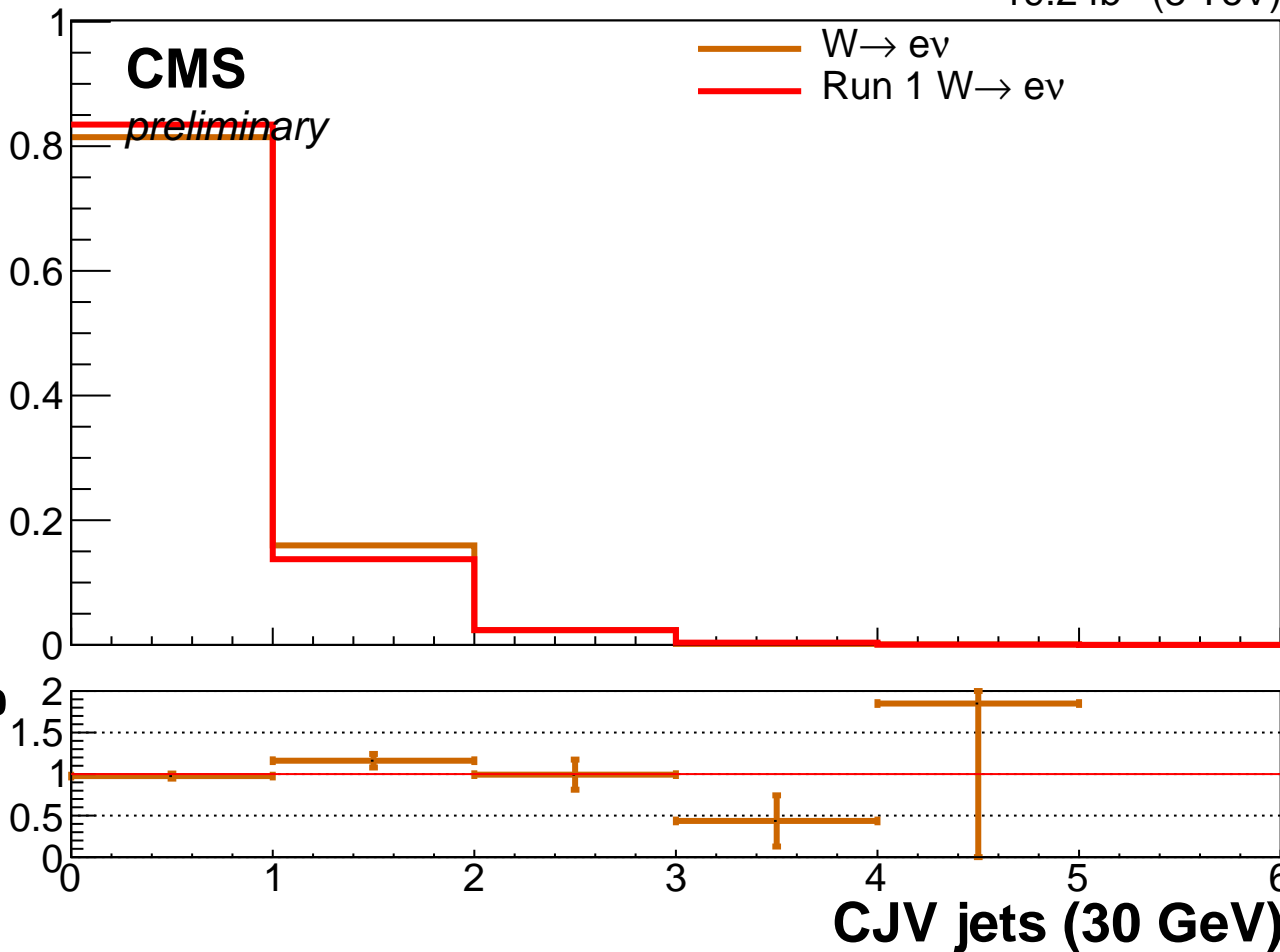
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

CJV jets (30 GeV)



19.2 fb⁻¹ (8 TeV)

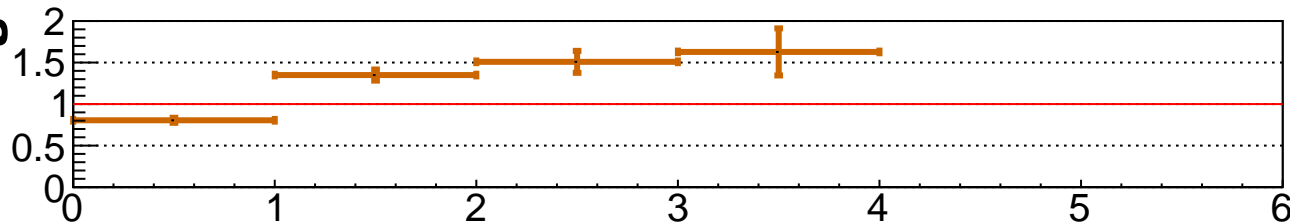
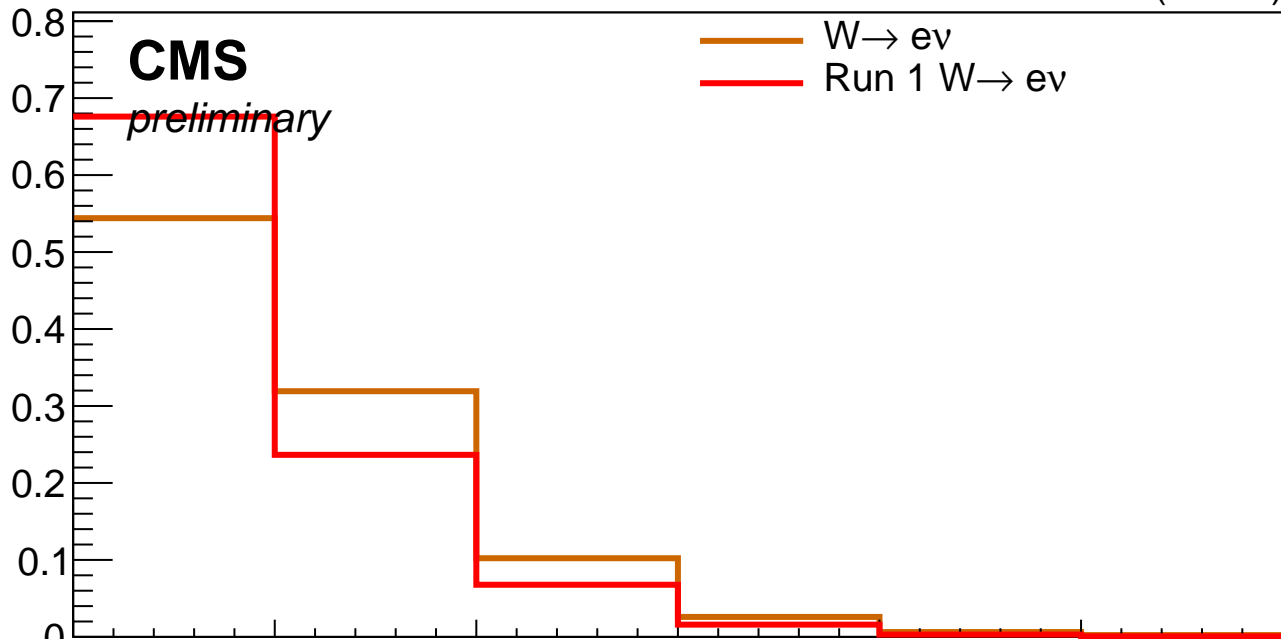
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

CJV jets (20 GeV EB, 30 GeV EE)



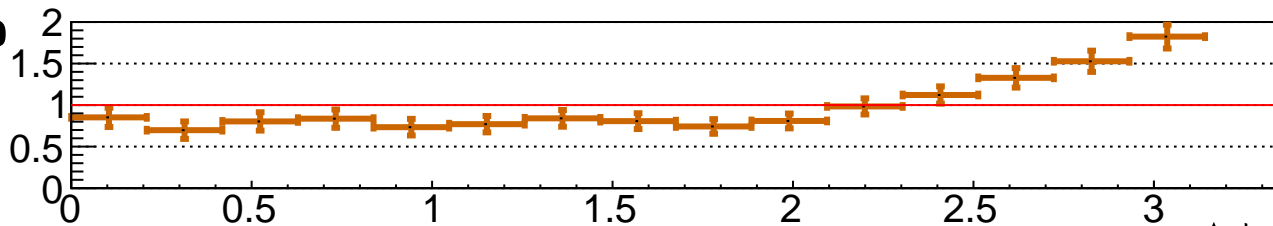
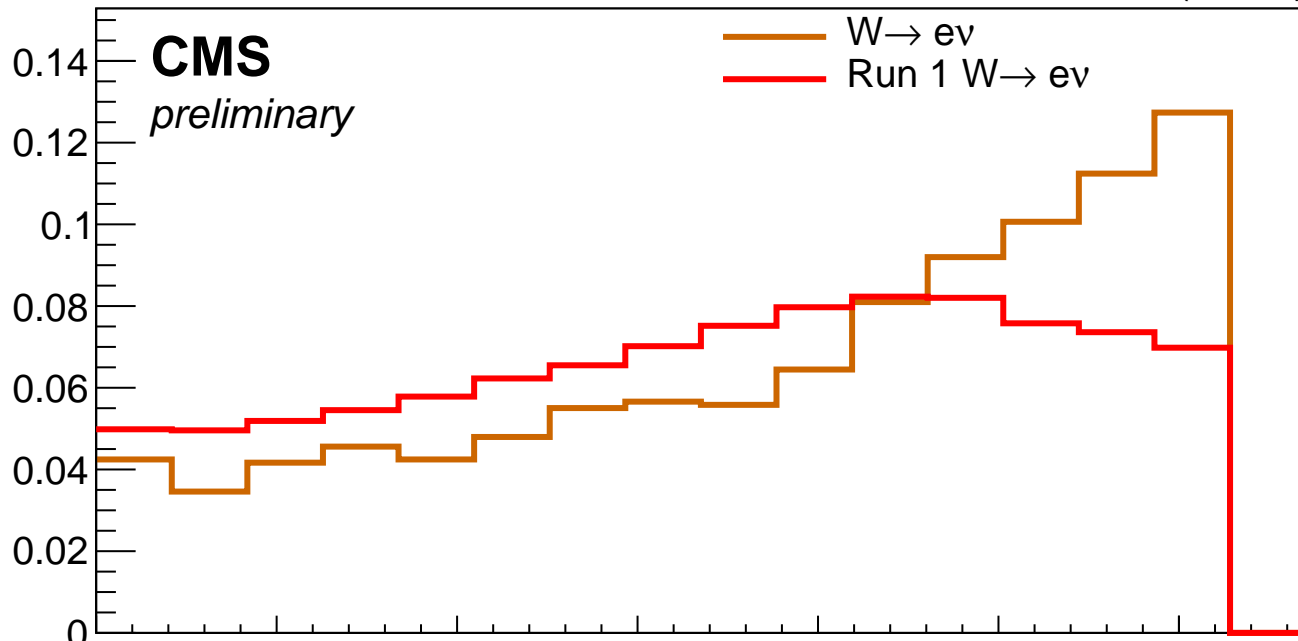
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

$\Delta\phi_{jj}$



19.2 fb⁻¹ (8 TeV)

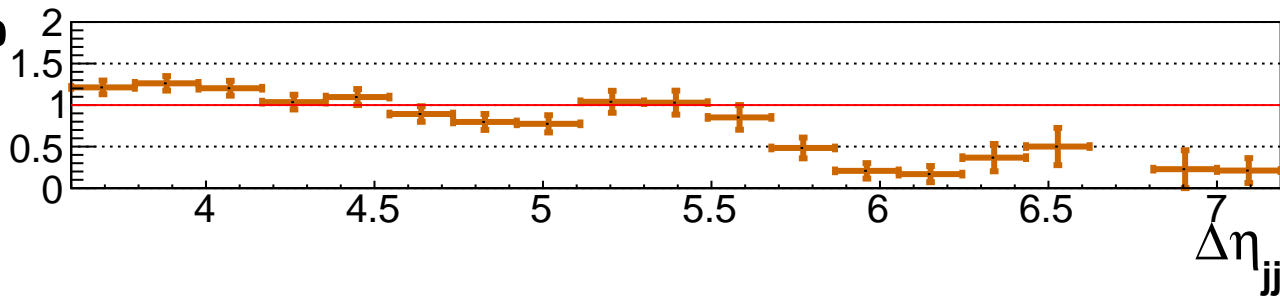
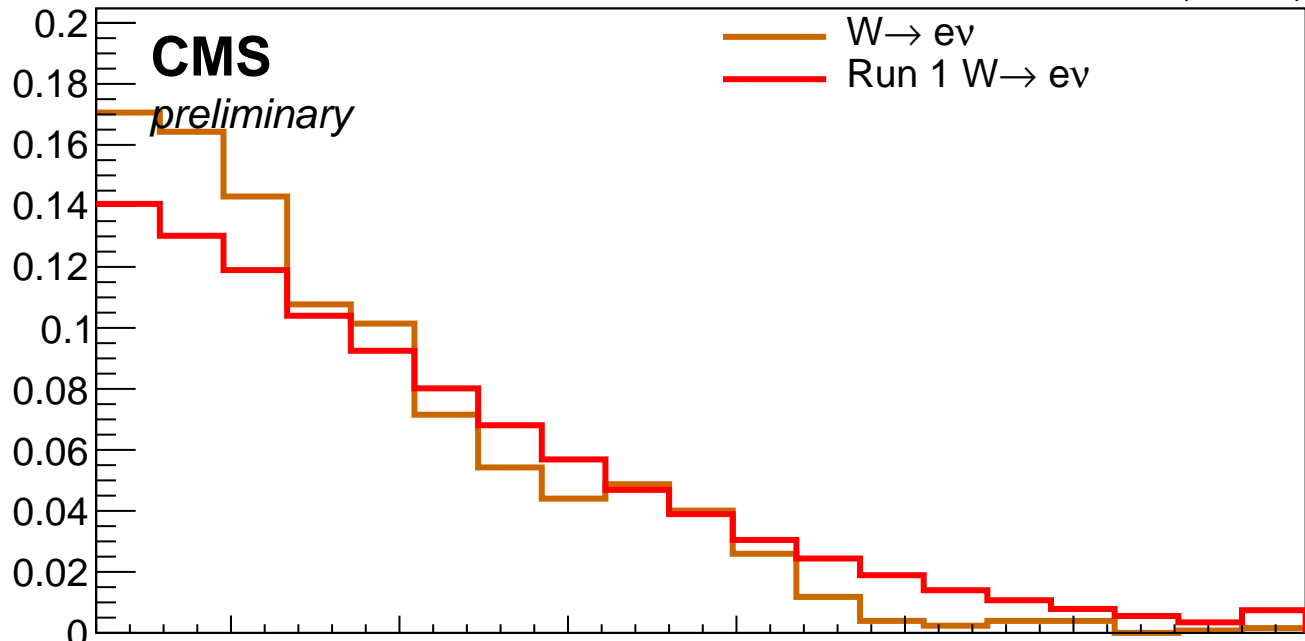
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

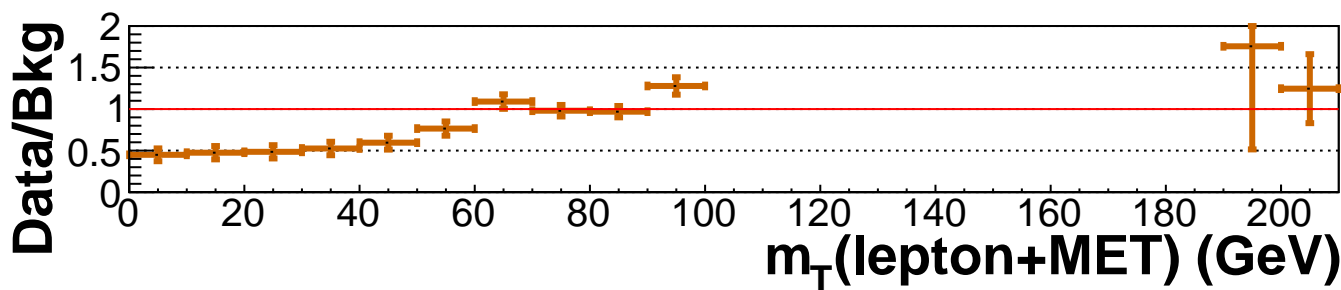
$\Delta\eta_{jj}$



19.2 fb⁻¹ (8 TeV)

CMS
preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$



19.2 fb⁻¹ (8 TeV)

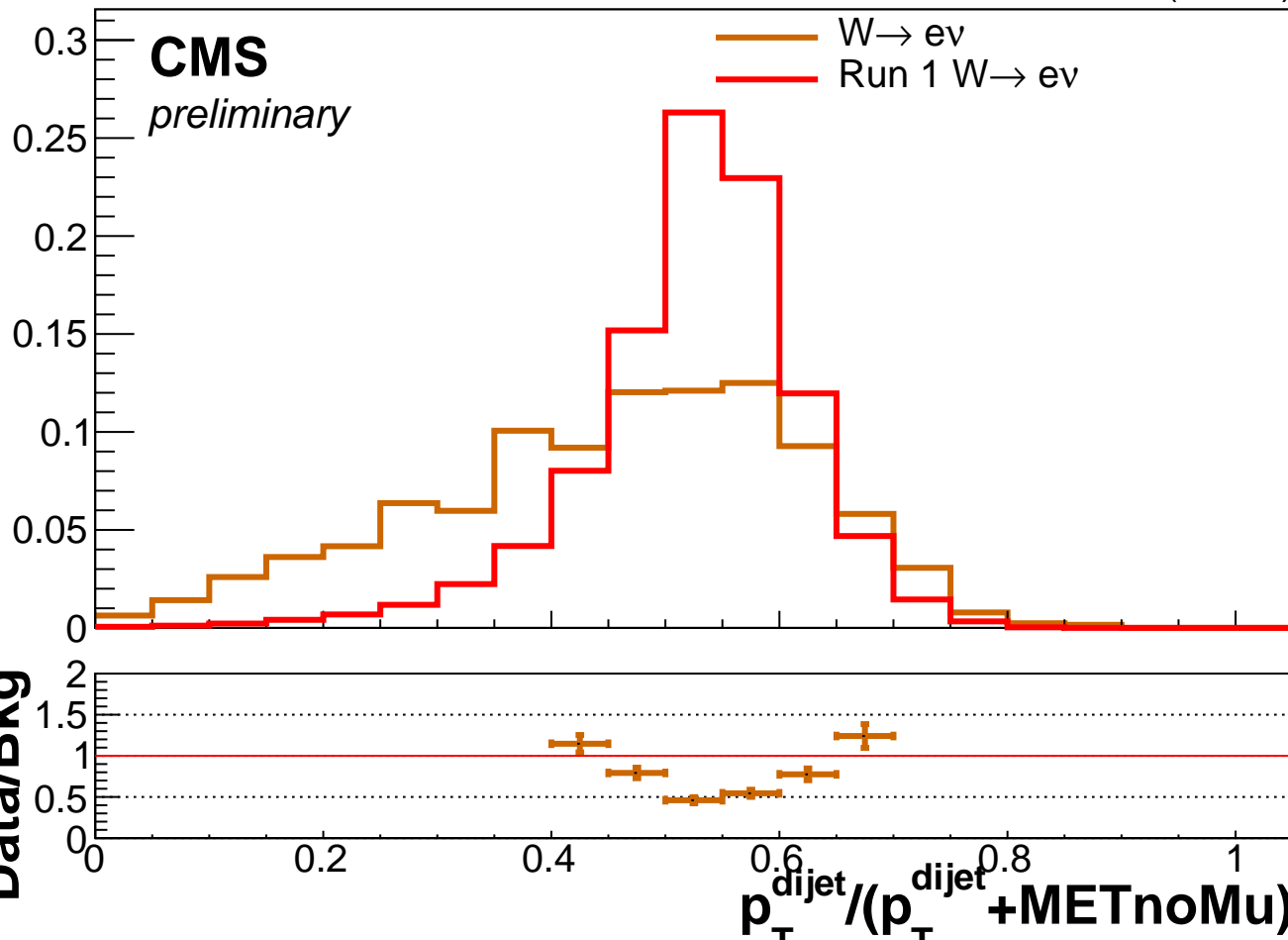
CMS

preliminary

W → eν

Run 1 W → eν

Data/Bkg



19.2 fb⁻¹ (8 TeV)

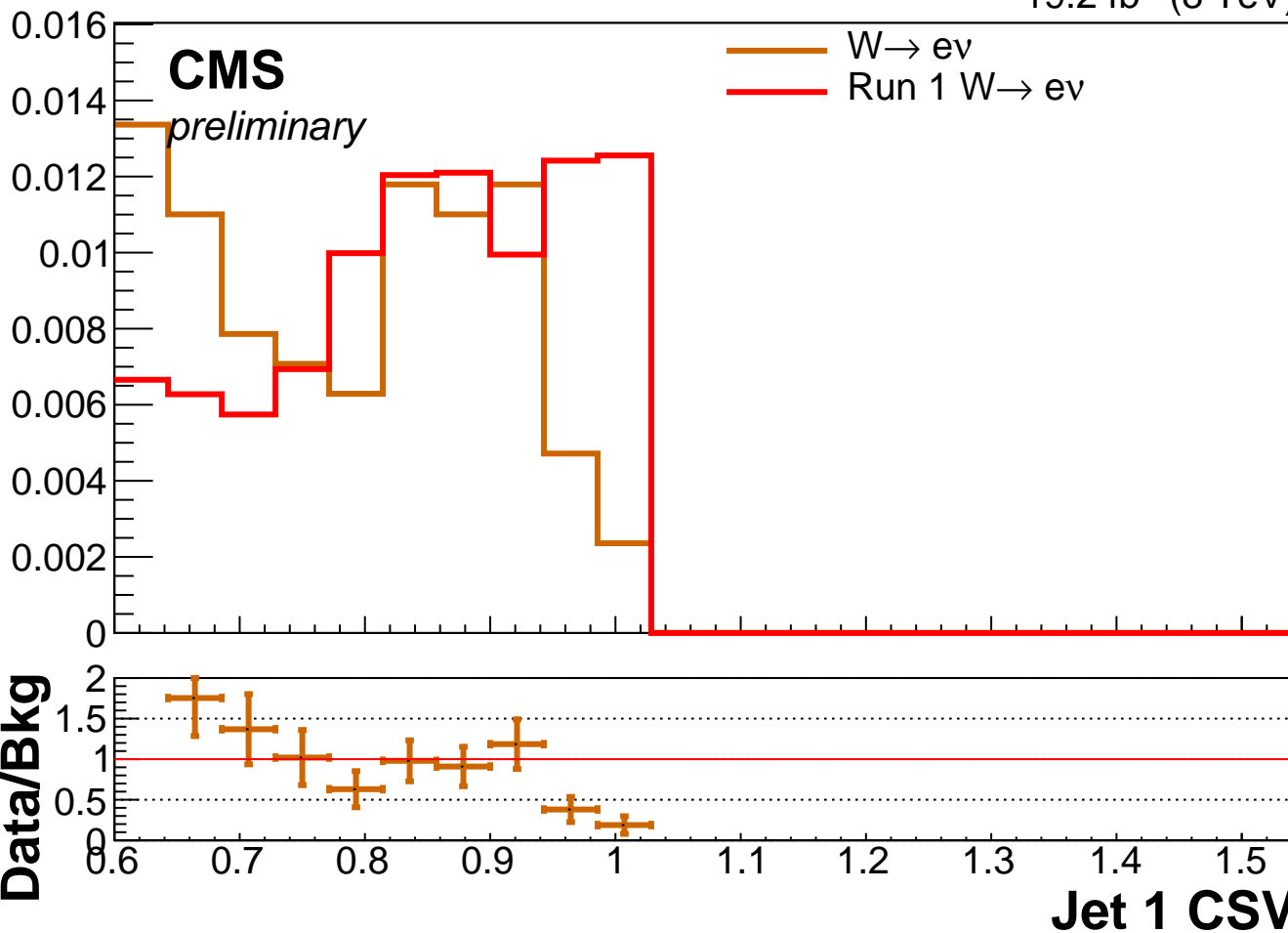
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

Jet 1 CSV

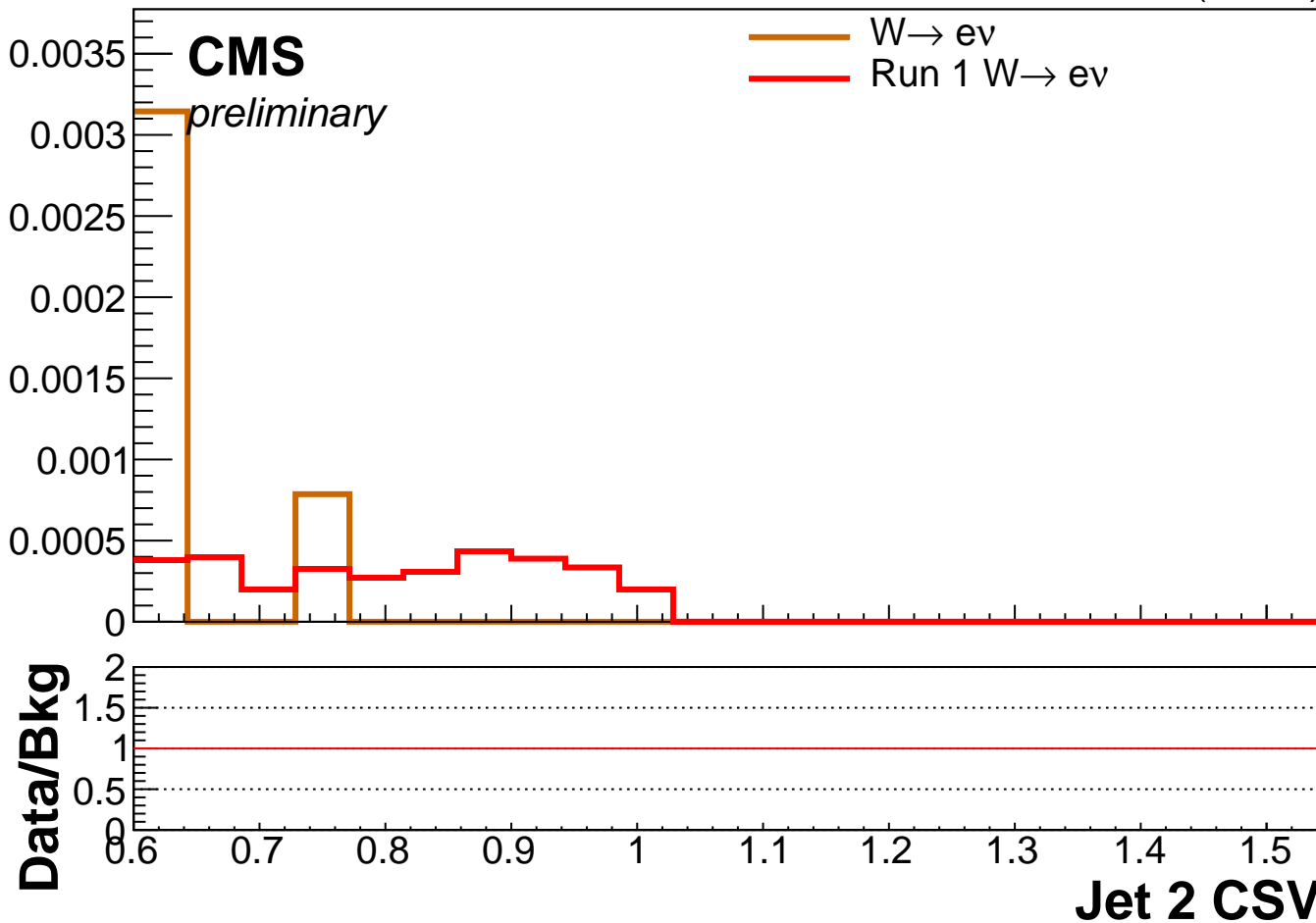


19.2 fb⁻¹ (8 TeV)

CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

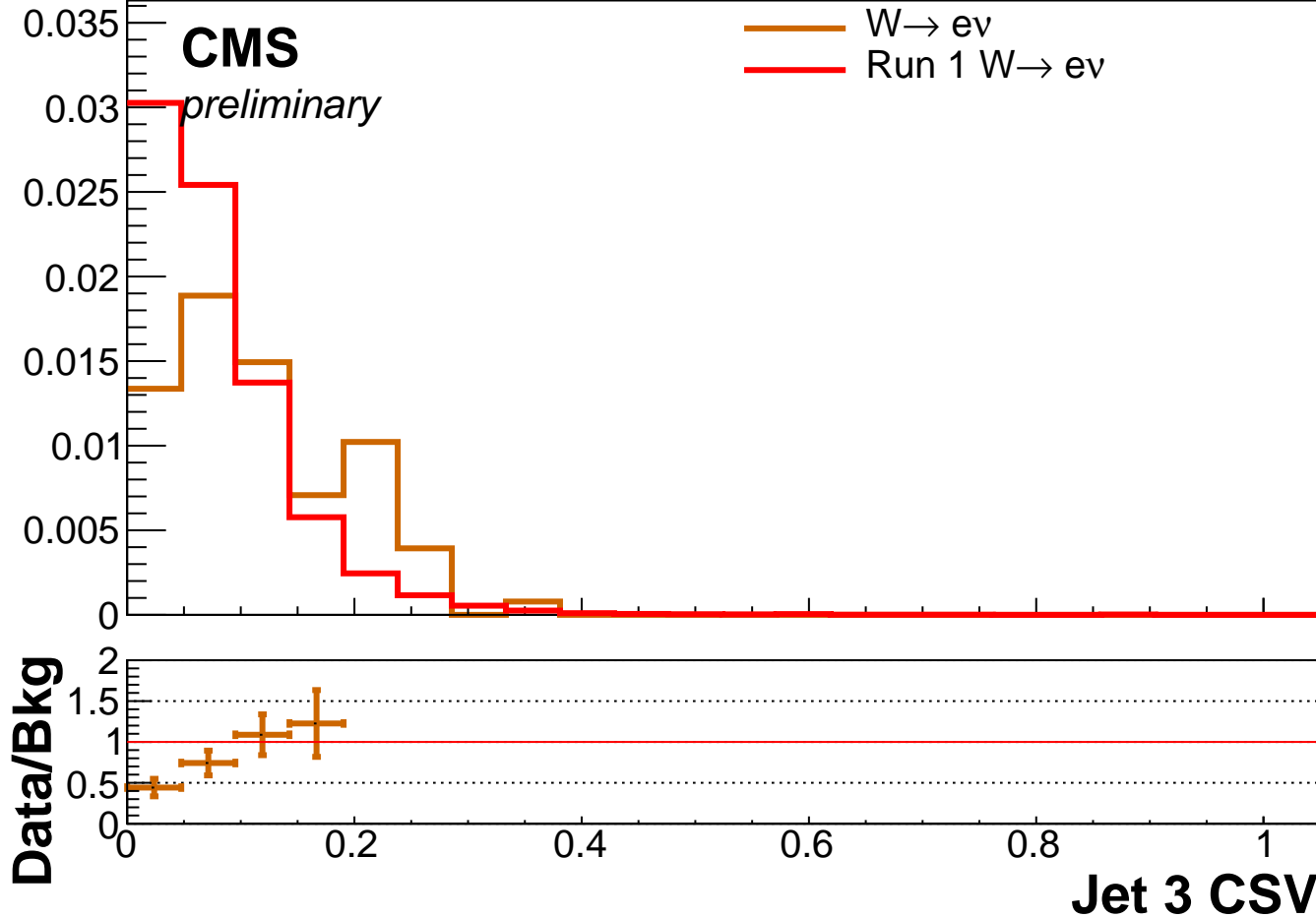


19.2 fb⁻¹ (8 TeV)

CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$



19.2 fb⁻¹ (8 TeV)

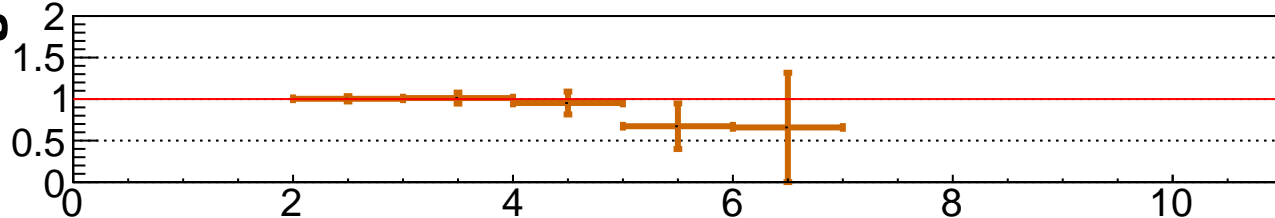
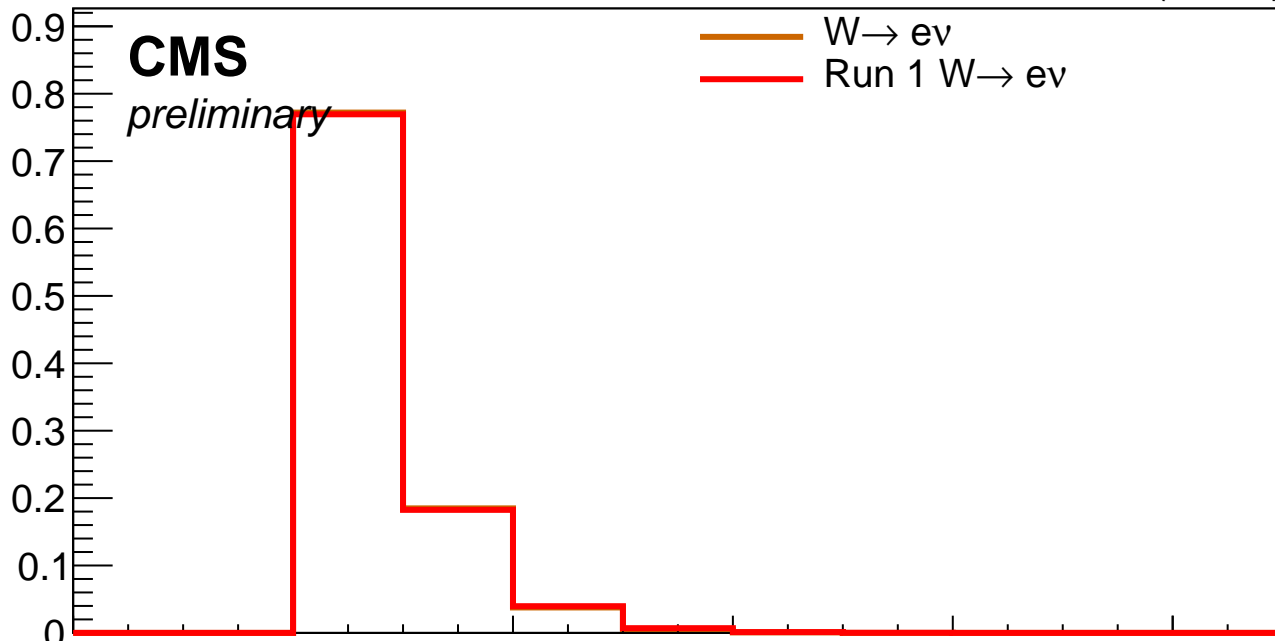
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

N jets pt>30 GeV



19.2 fb⁻¹ (8 TeV)

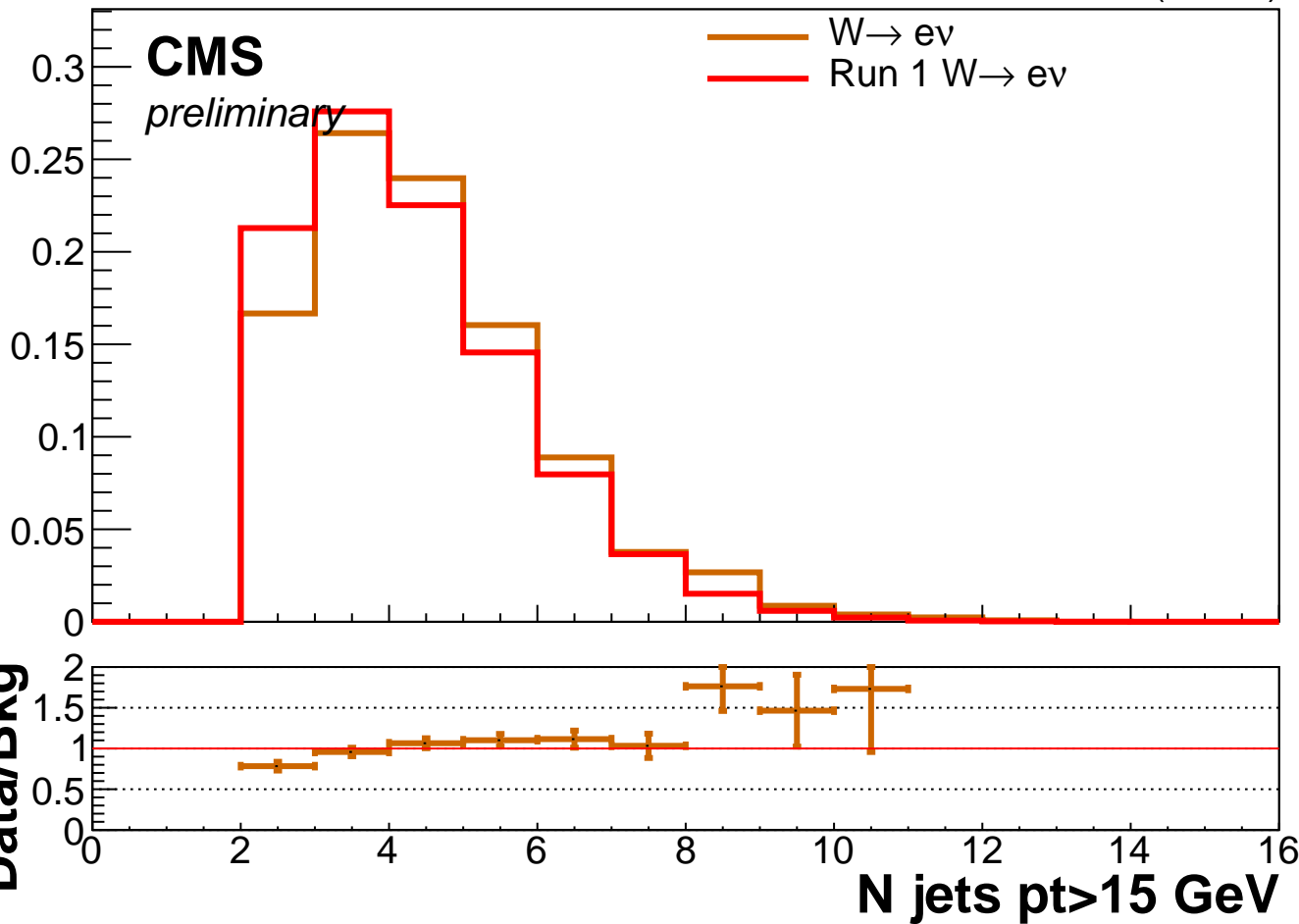
CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

N jets pt>15 GeV



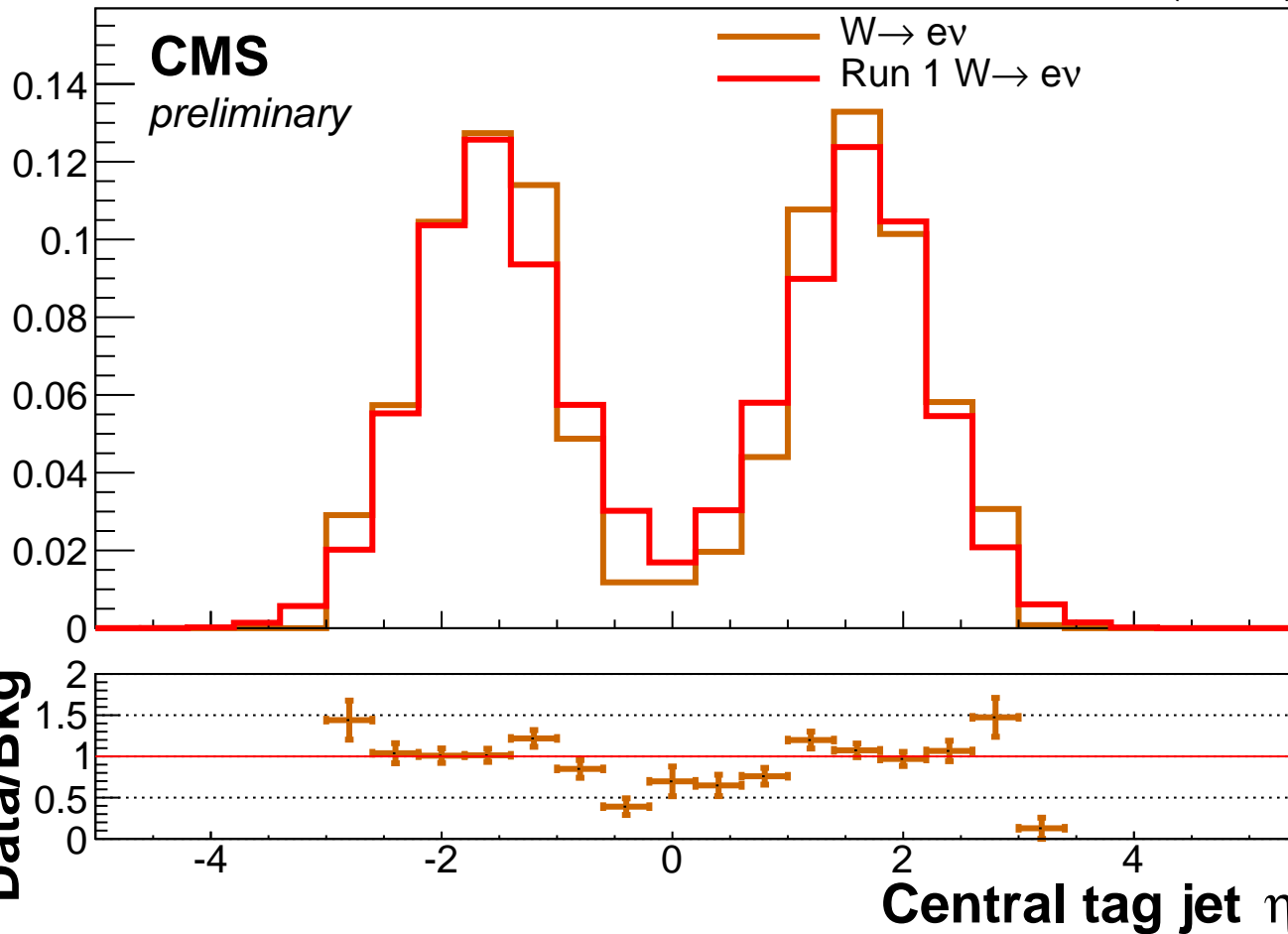
19.2 fb⁻¹ (8 TeV)

CMS
preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

Central tag jet η



19.2 fb⁻¹ (8 TeV)

CMS

preliminary

— $W \rightarrow e\nu$
— Run 1 $W \rightarrow e\nu$

Data/Bkg

Forward tag jet η

