

entries

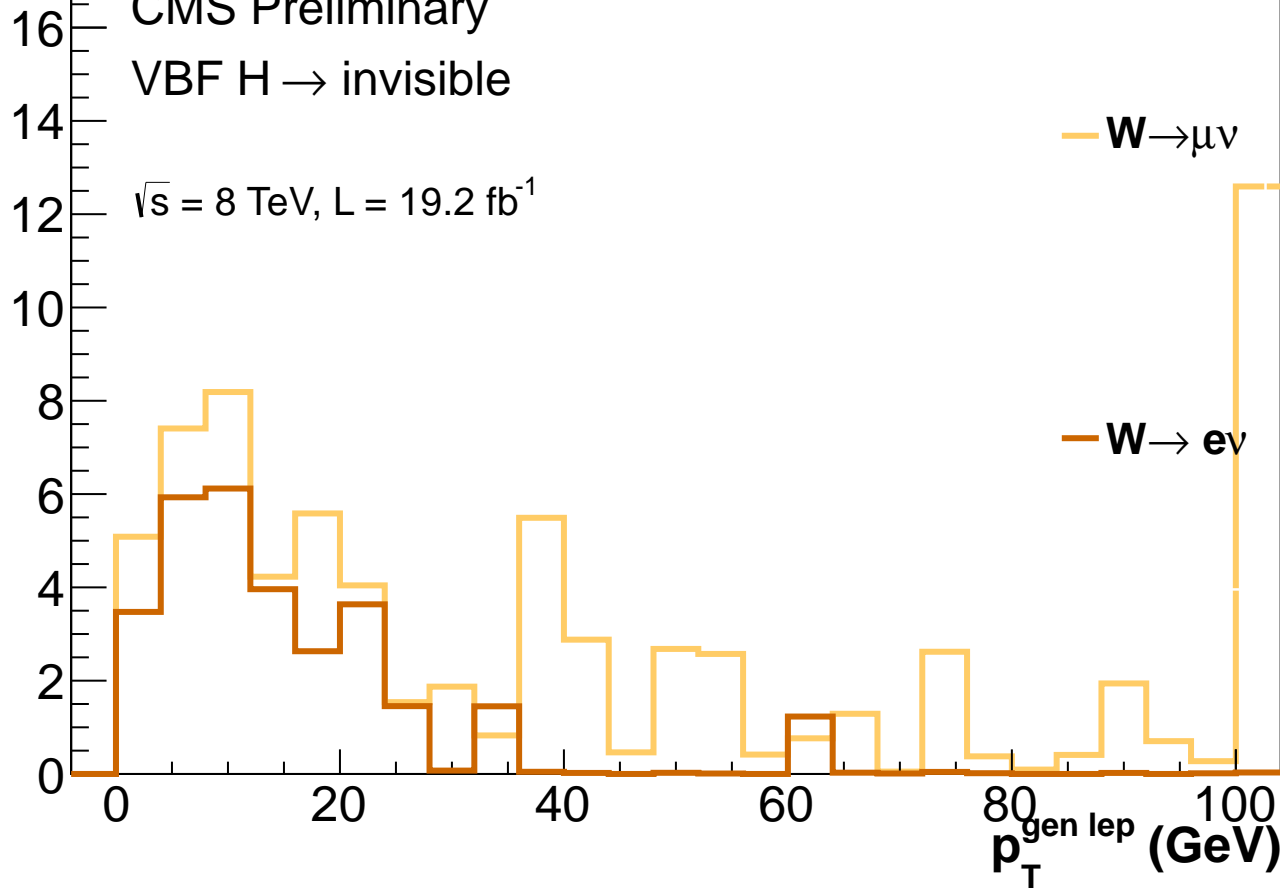
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

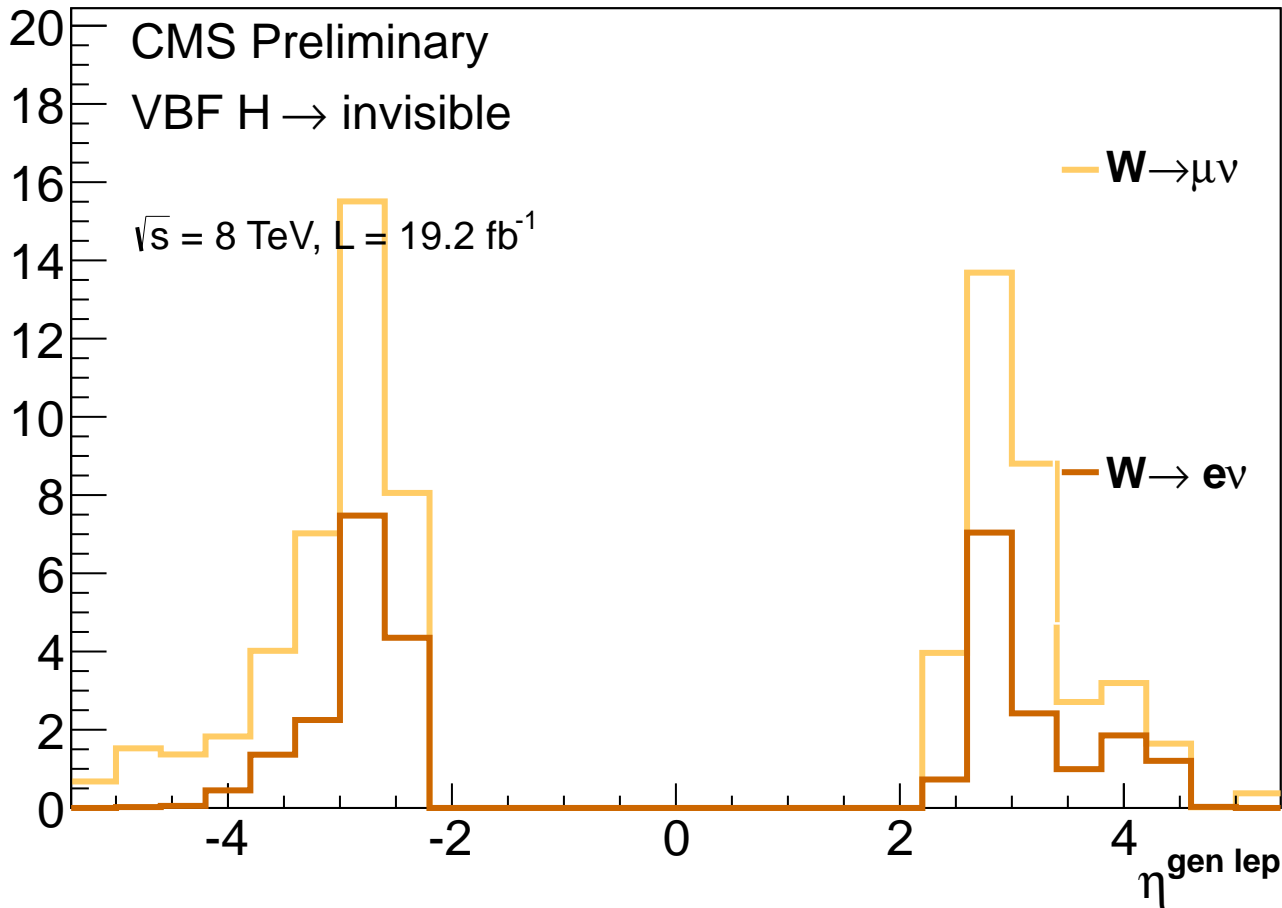
CMS Preliminary

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$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

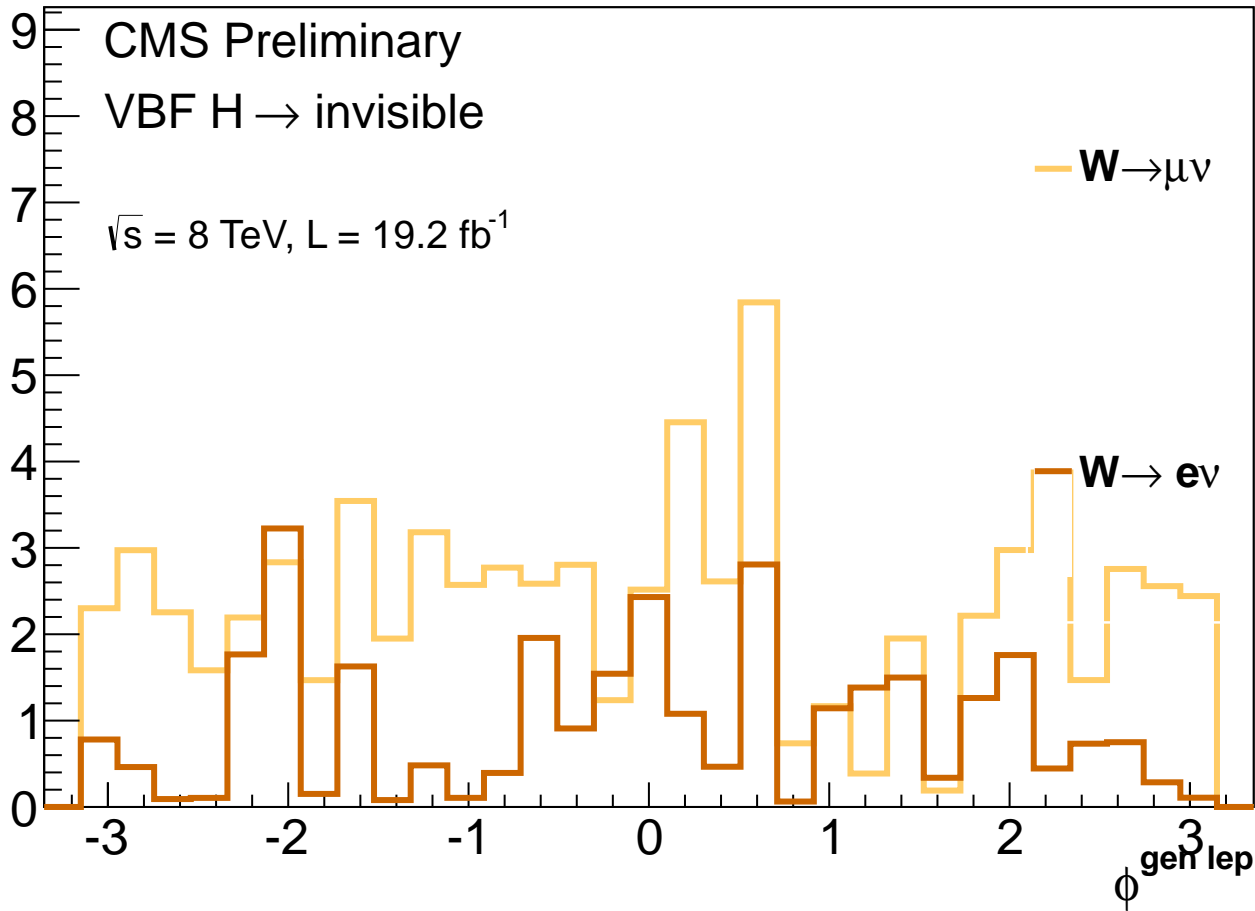
CMS Preliminary

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$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

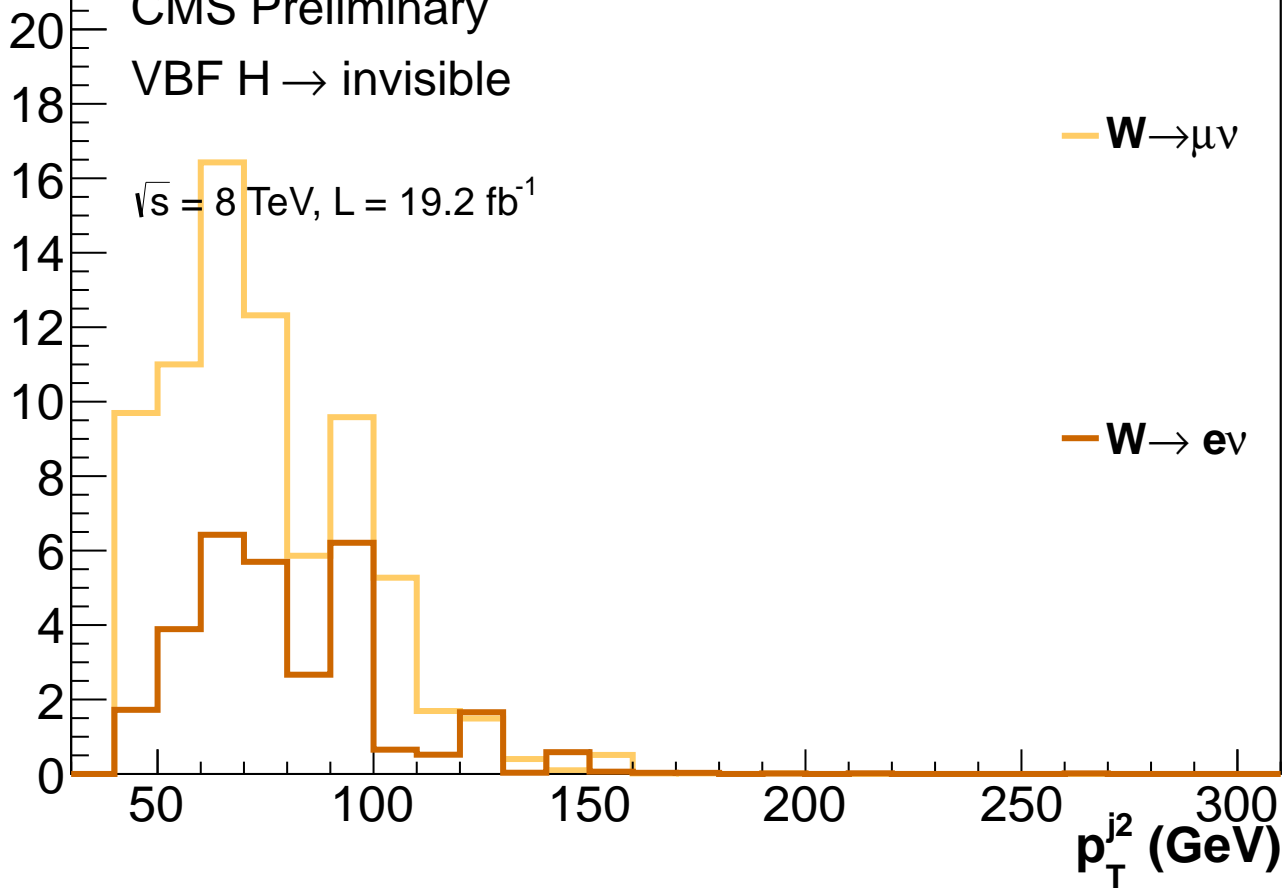
CMS Preliminary

VBF H \rightarrow invisible

$\sqrt{s} = 8$ TeV, $L = 19.2$ fb $^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

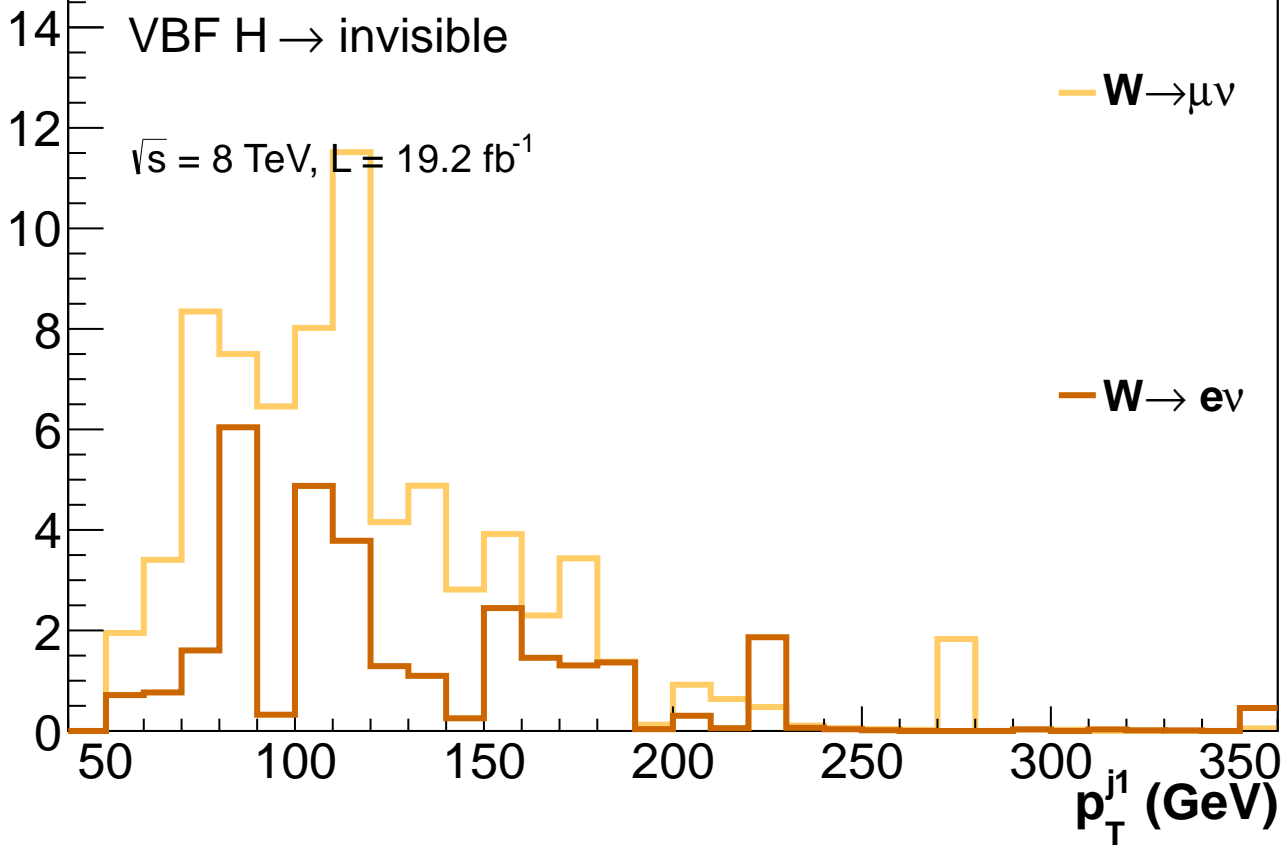
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}$, $\mathcal{L} = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

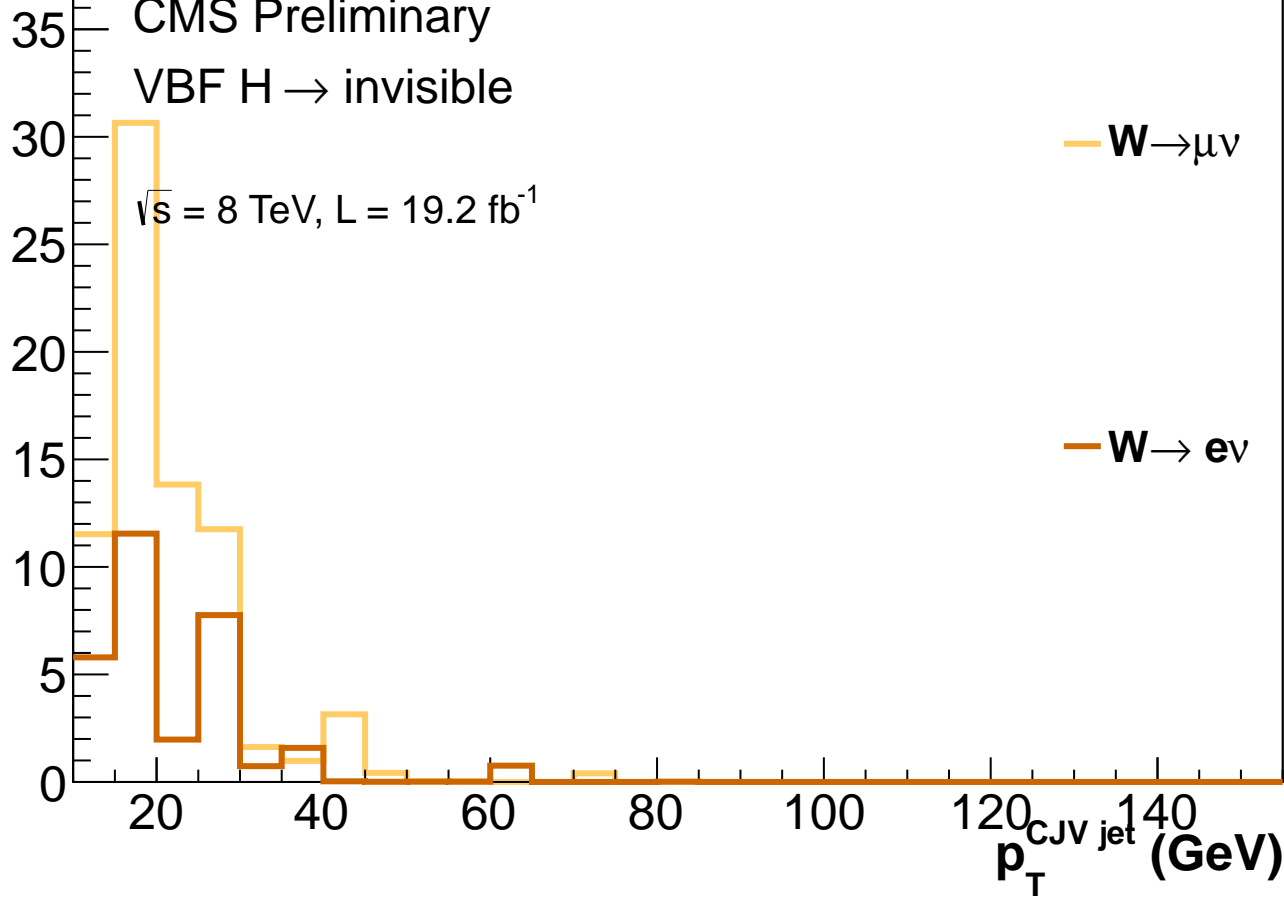
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}, L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

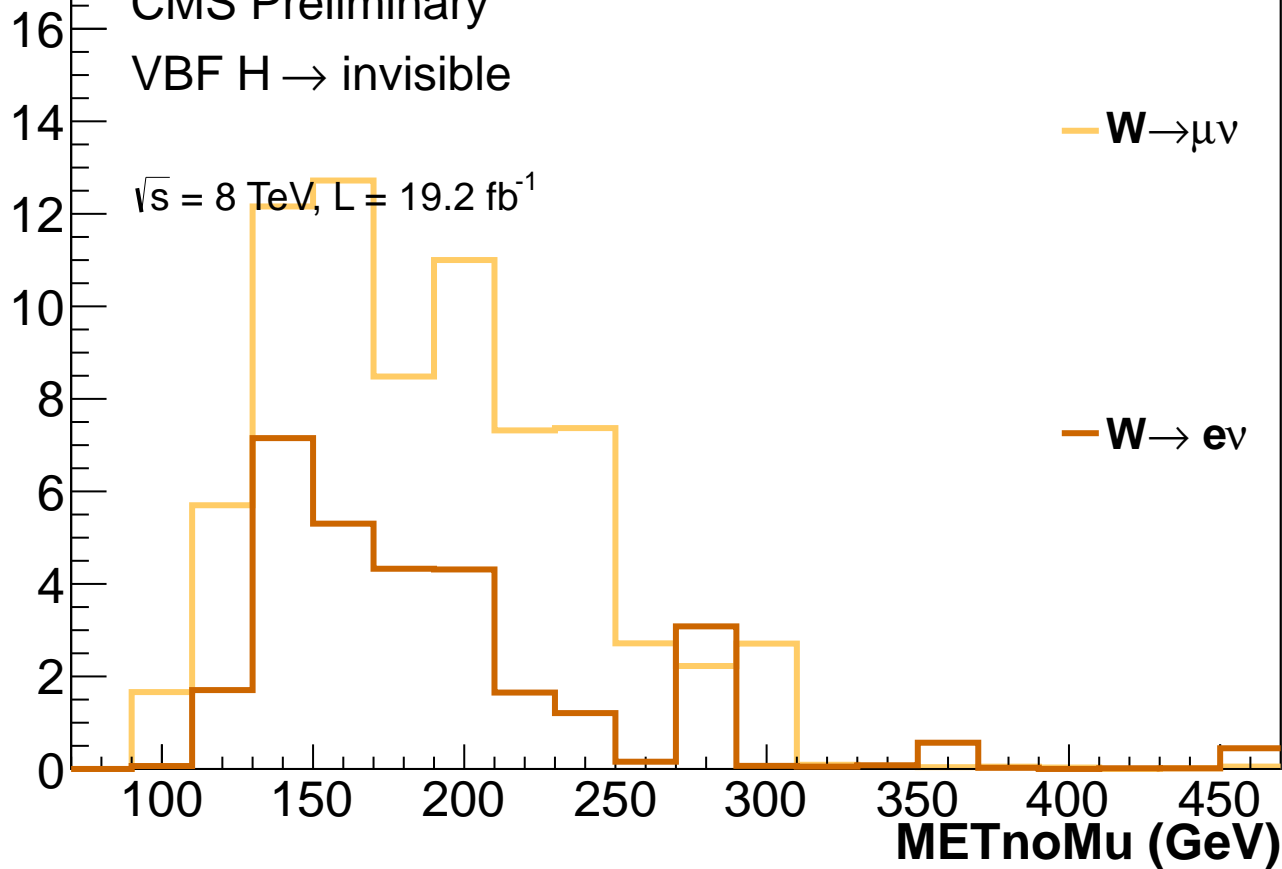
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

CMS Preliminary

VBF $H \rightarrow$ invisible

$\sqrt{s} = 8$ TeV, $L = 19.2$ fb $^{-1}$

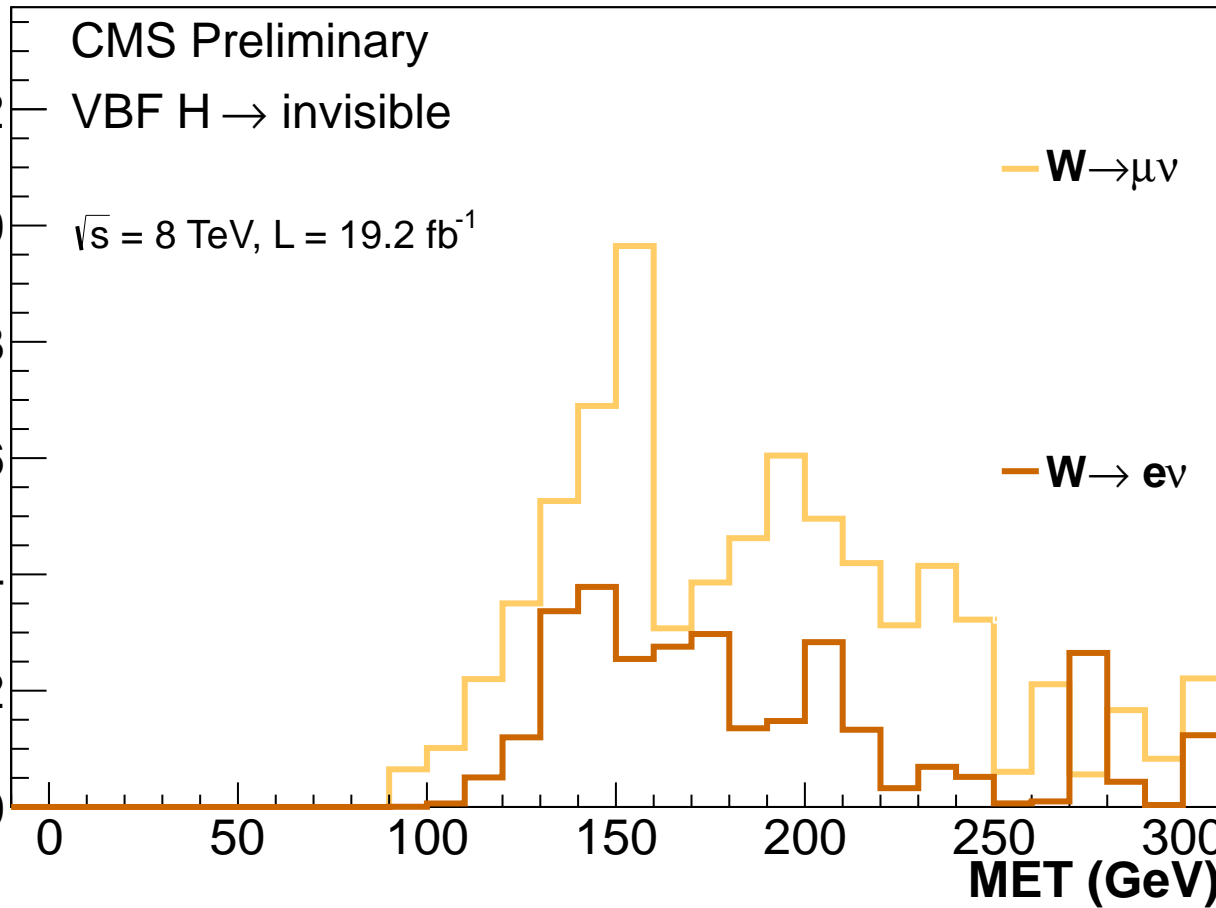
$W \rightarrow \mu\nu$

$W \rightarrow e\nu$

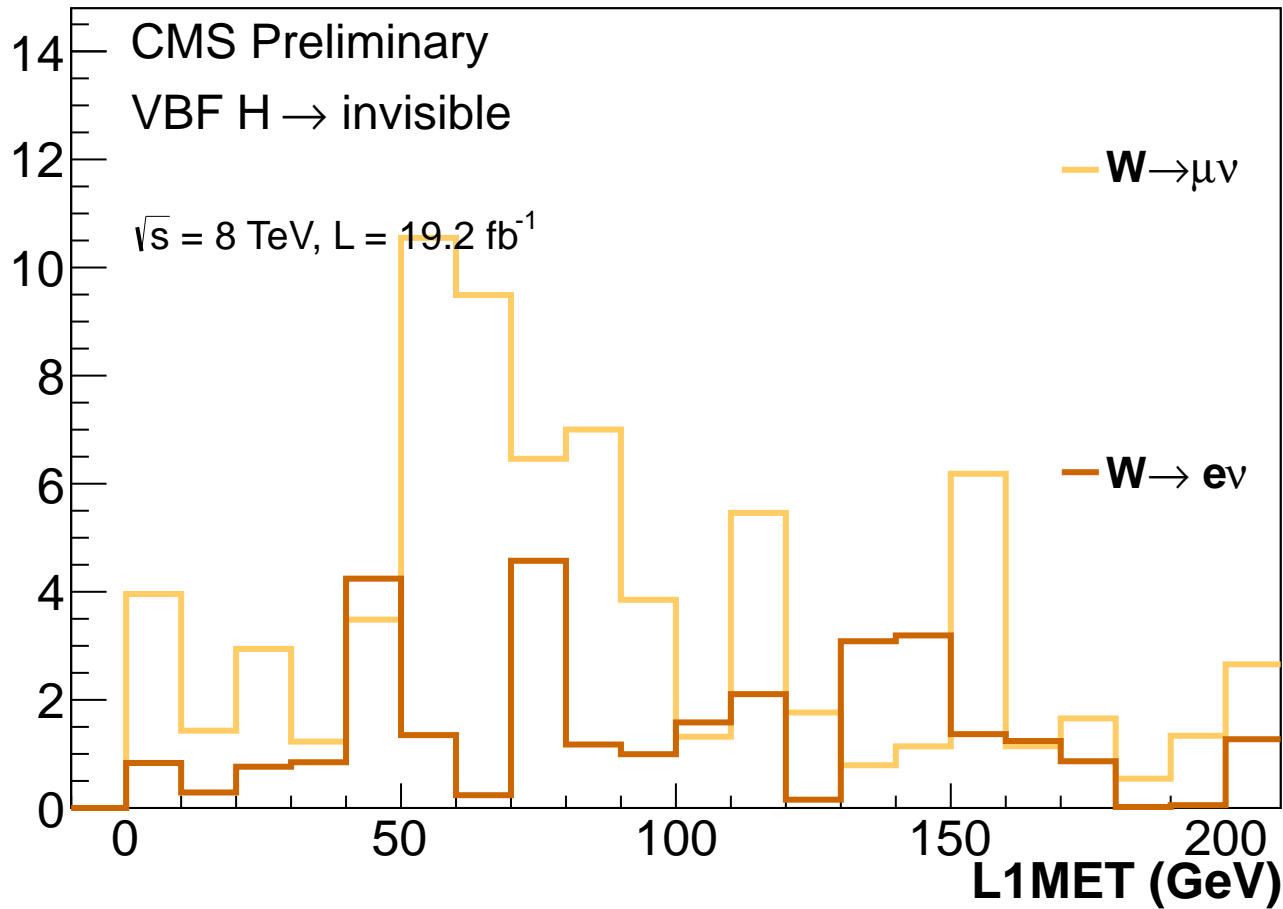
0 2 4 6 8 10 12

0 50 100 150 200 250 300

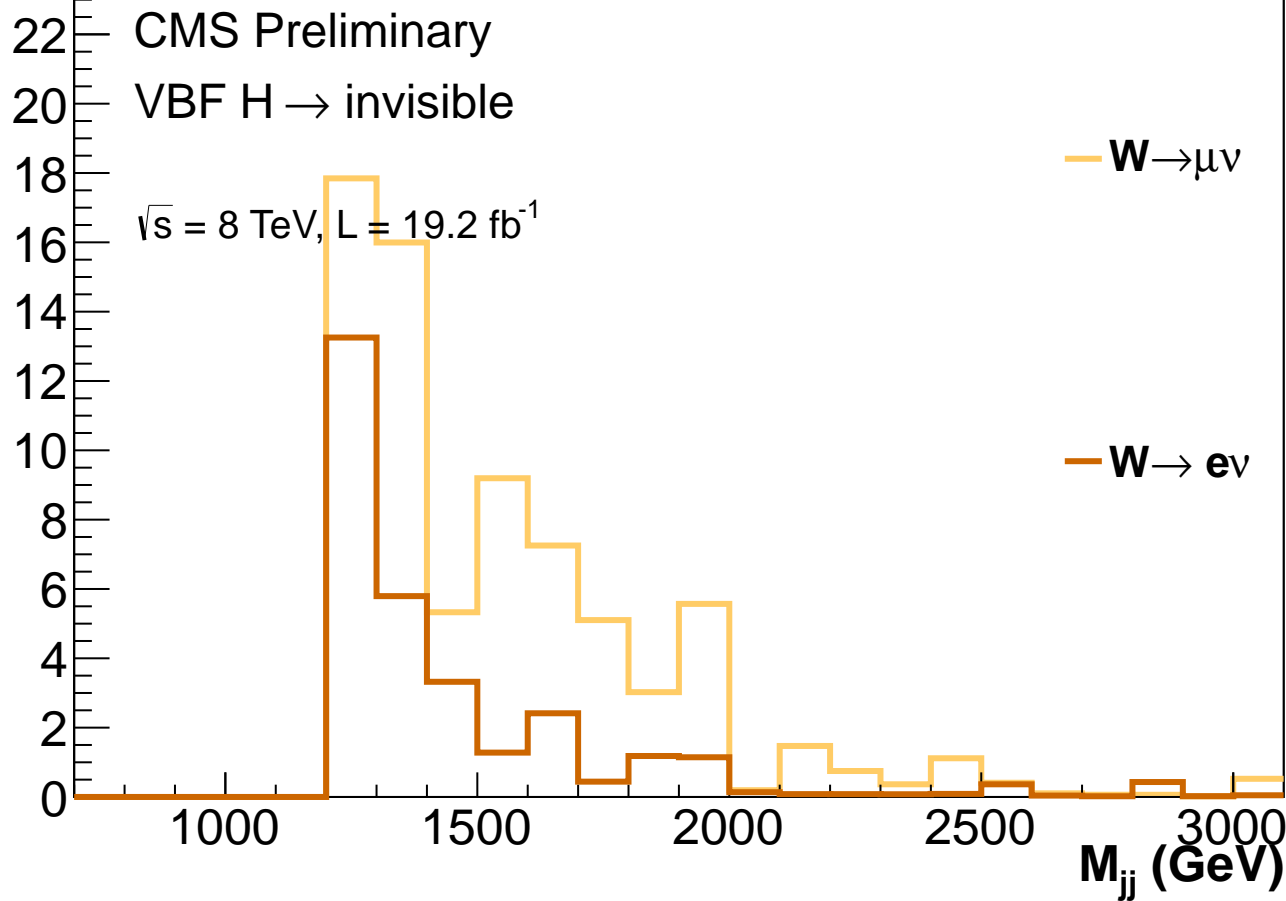
MET (GeV)



entries



entries



entries

CMS Preliminary

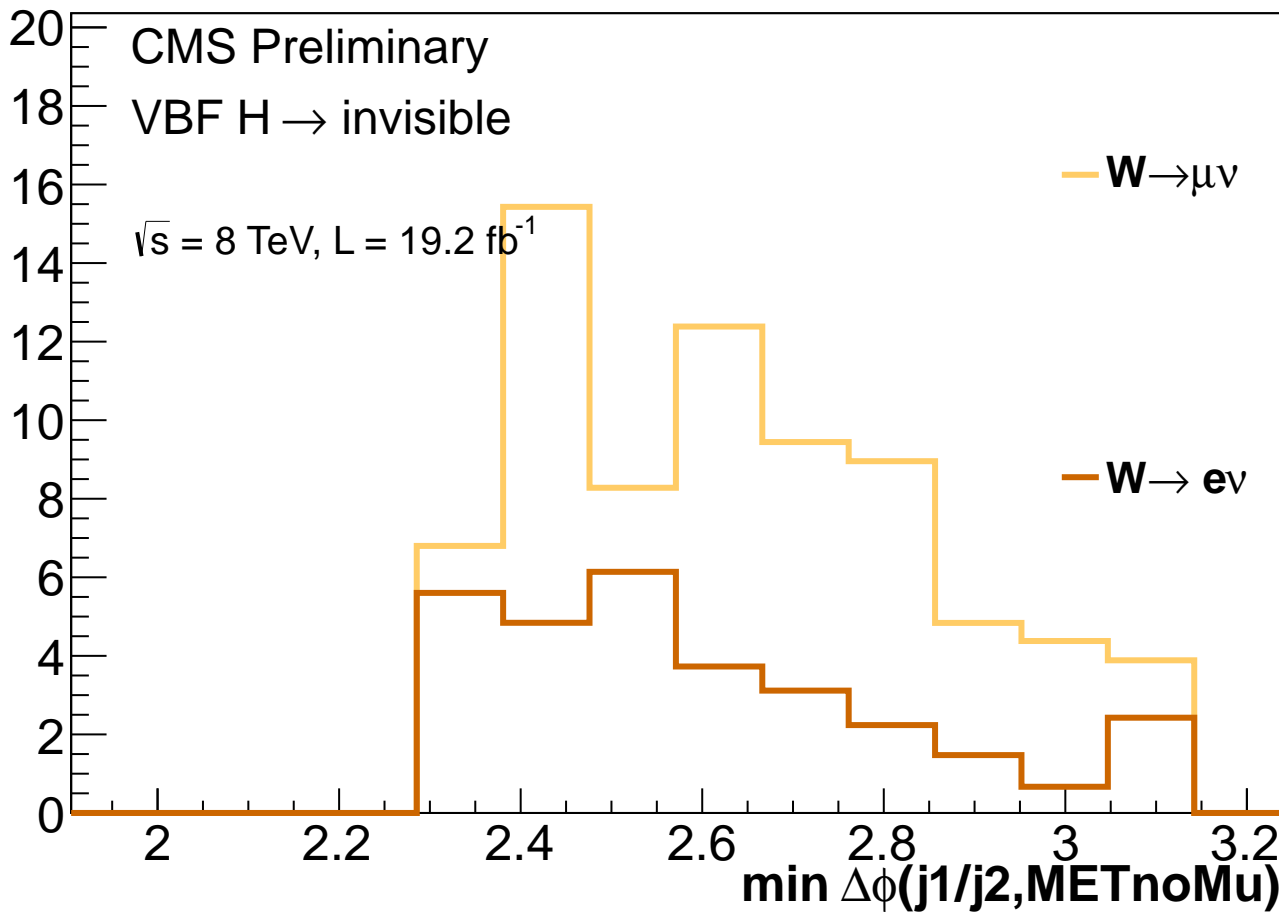
VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$

$\min \Delta\phi(j_1/j_2, \text{MET no Mu})$



entries

CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$

$\min \Delta\phi(\text{all jets}, \text{METnoMu})$

18
16
14
12
10
8
6
4
2
0

1

1.5

2

2.5

3

entries

CMS Preliminary

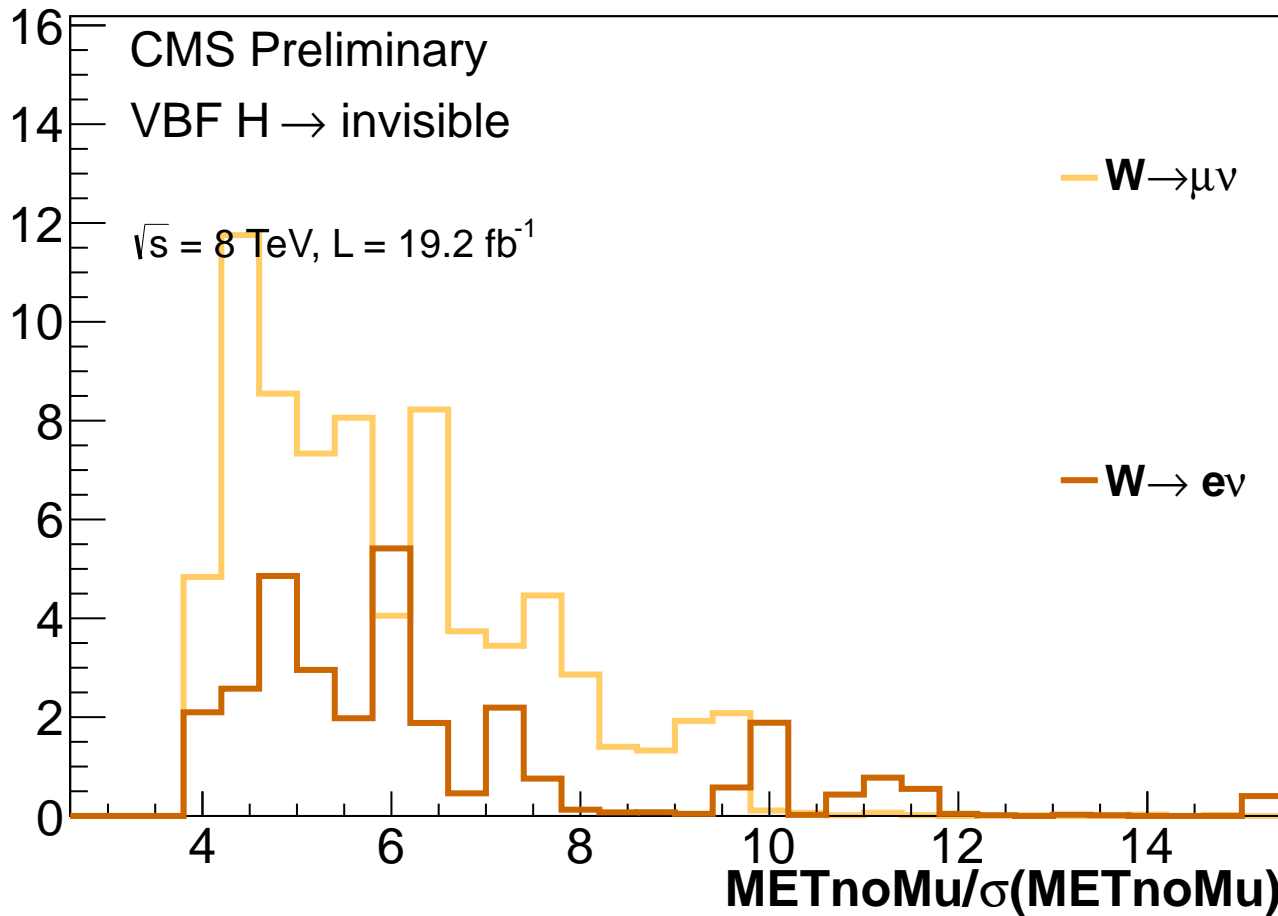
VBF H \rightarrow invisible

$\sqrt{s} = 8$ TeV, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$

$\text{METnoMu}/\sigma(\text{METnoMu})$



entries

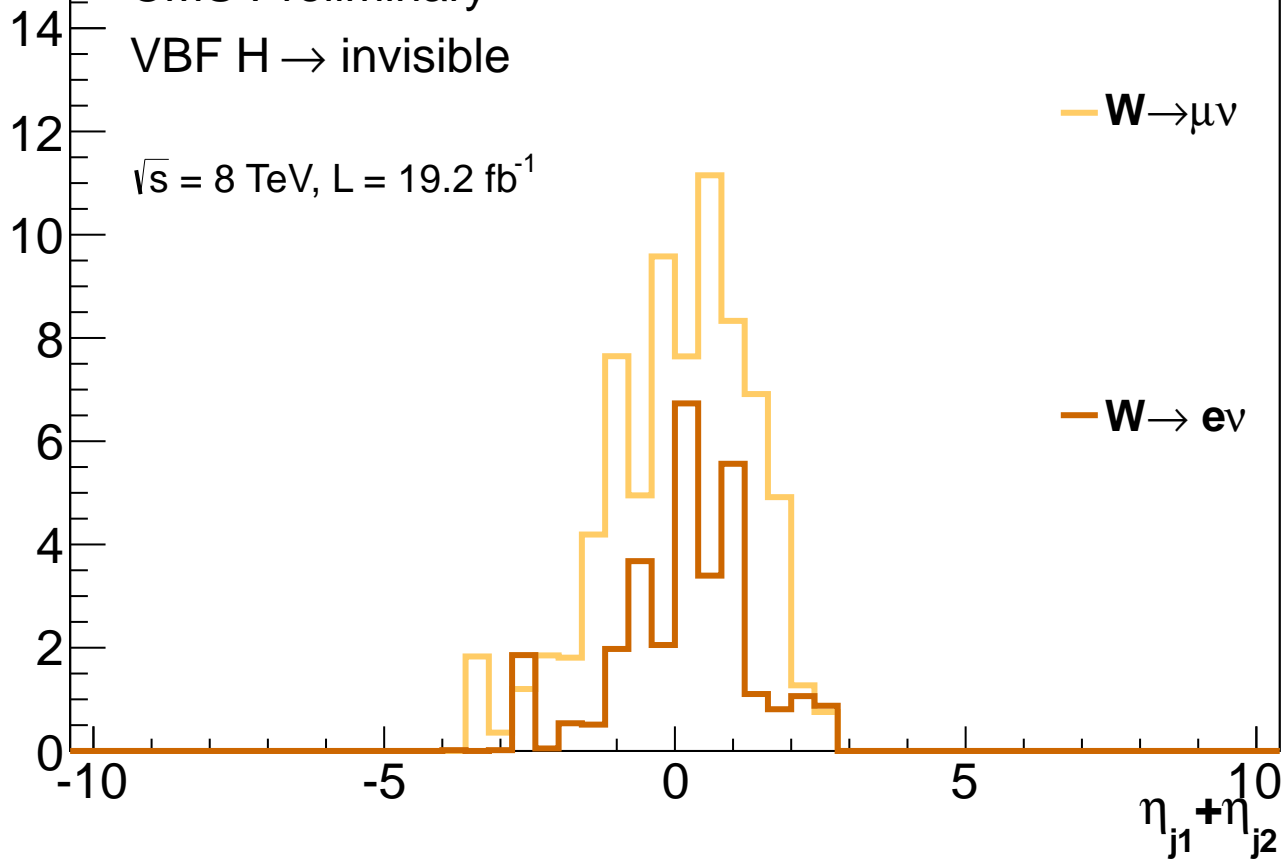
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

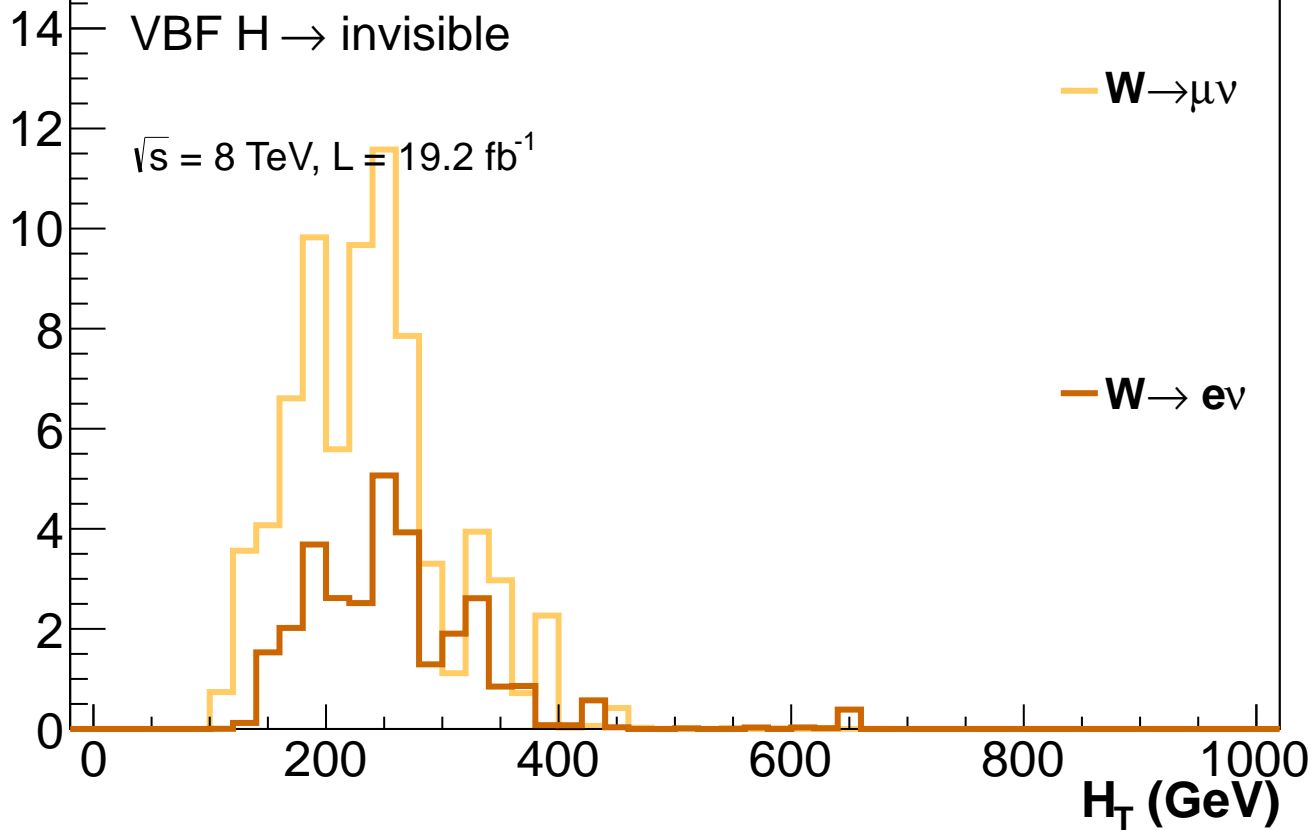
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

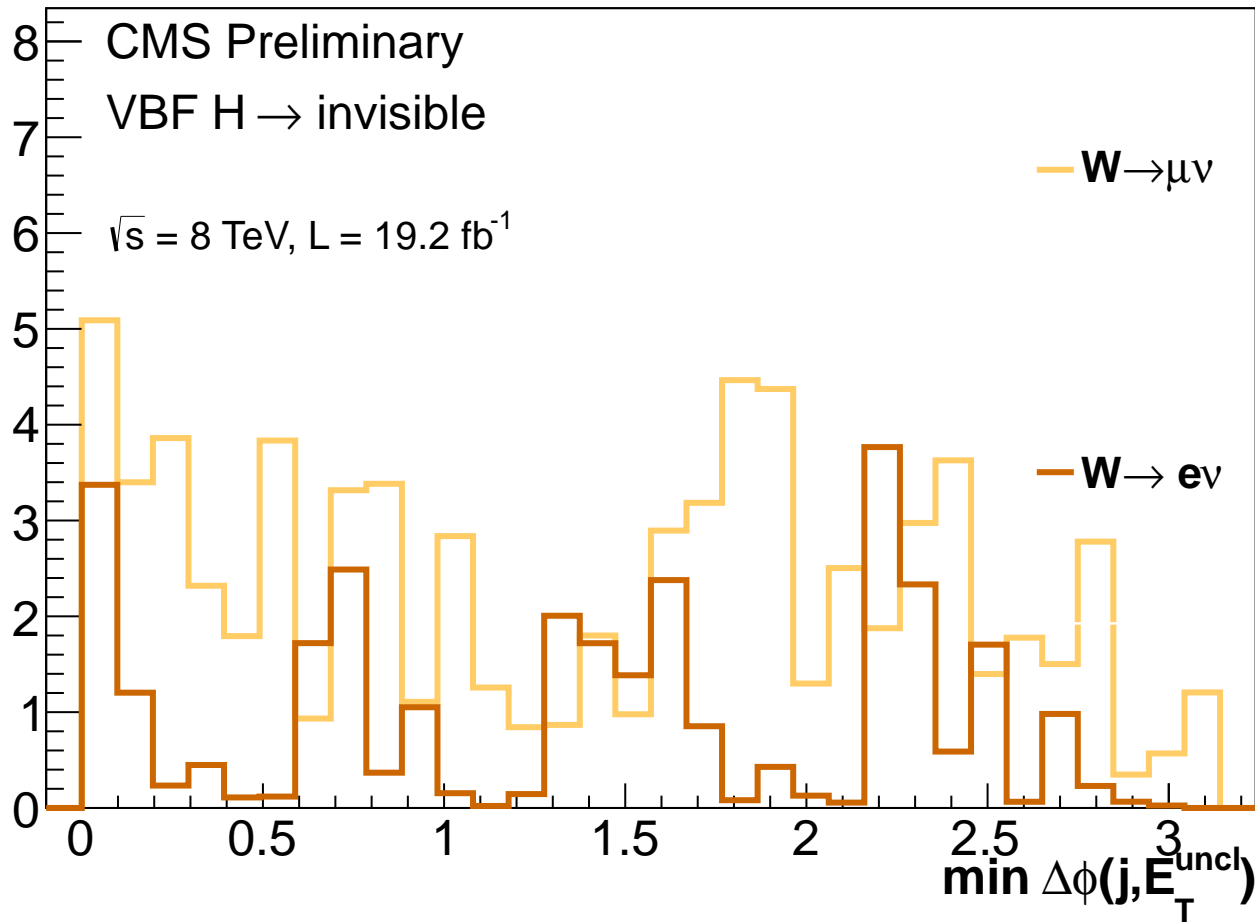
$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries



entries

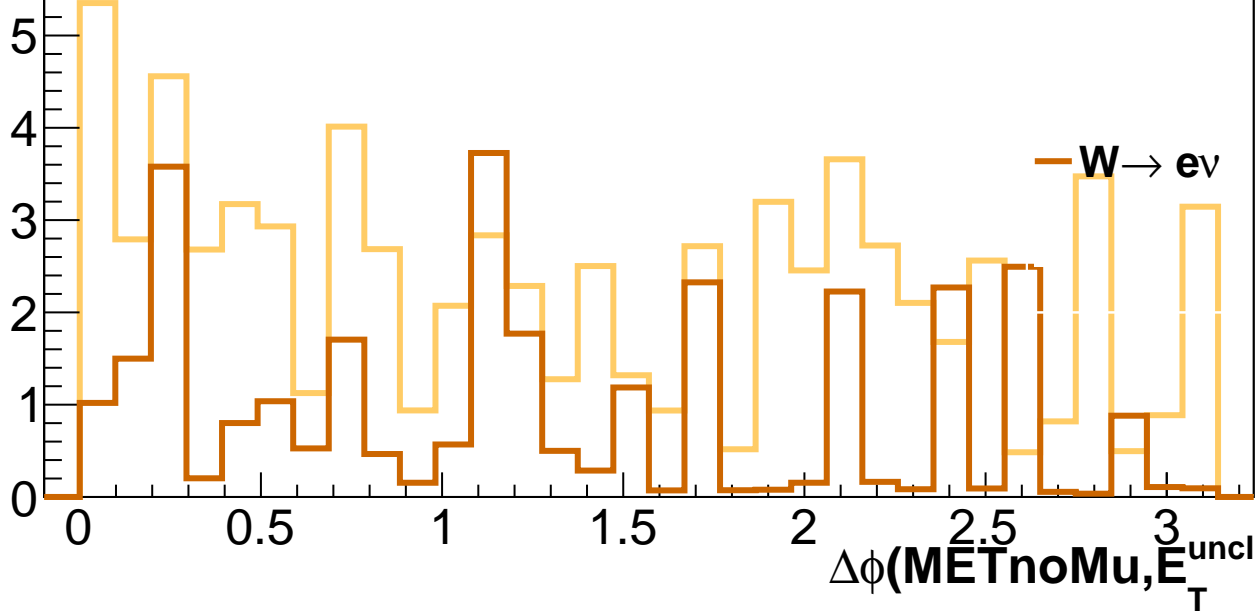
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}, L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

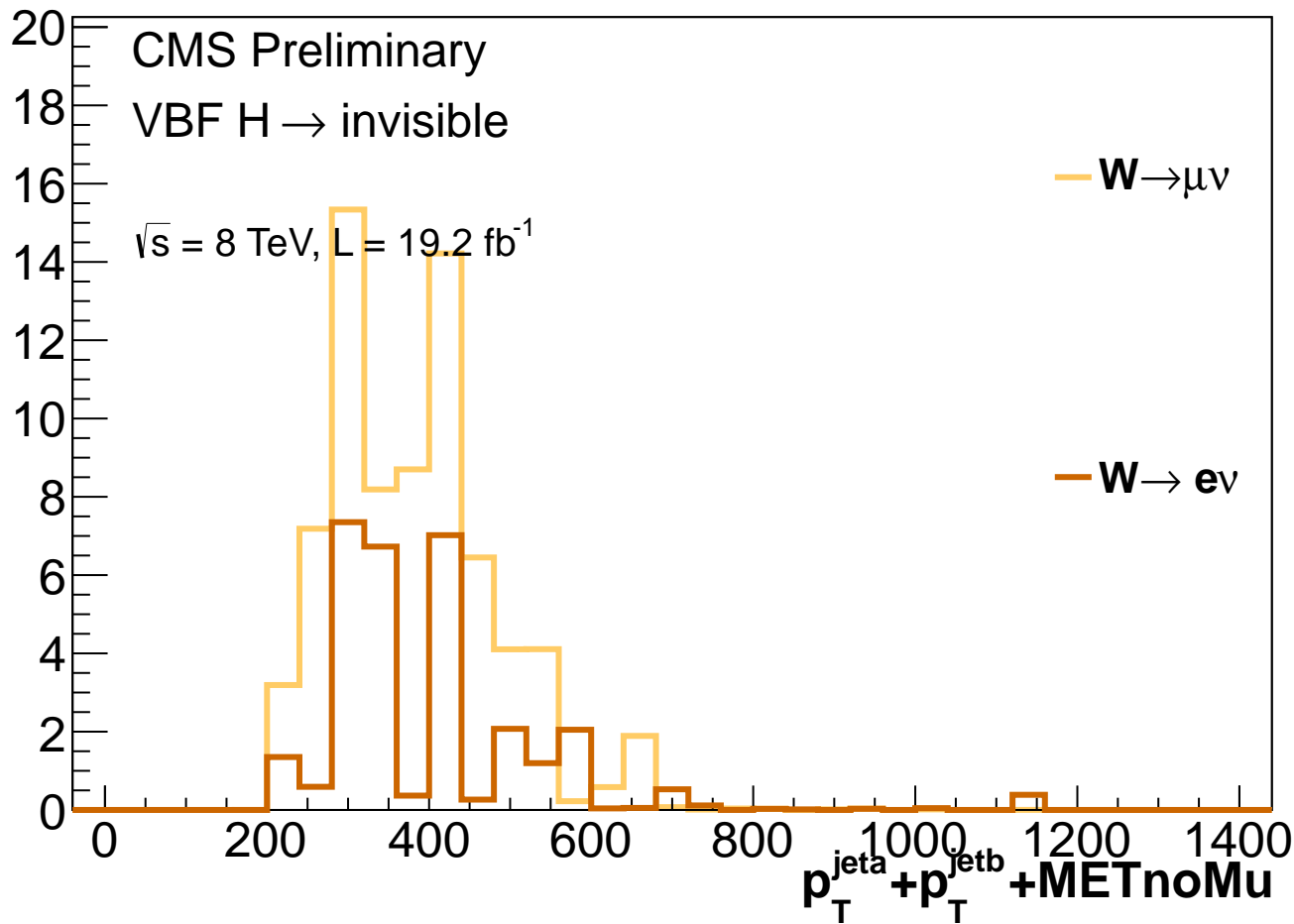
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



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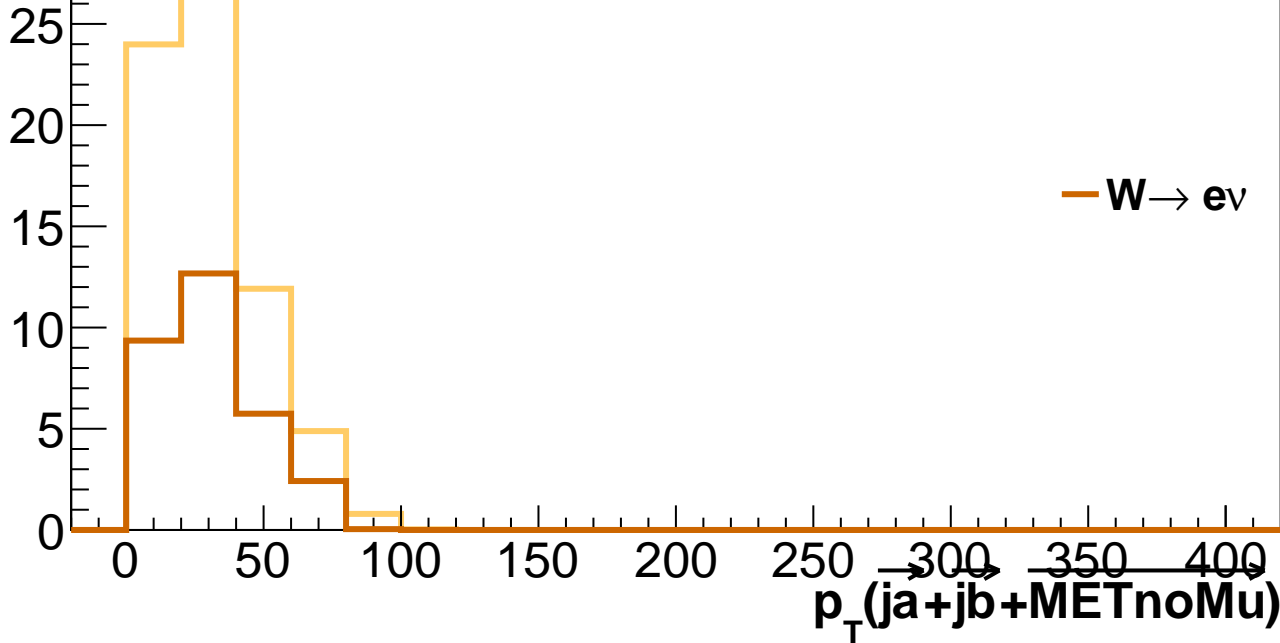
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}, L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



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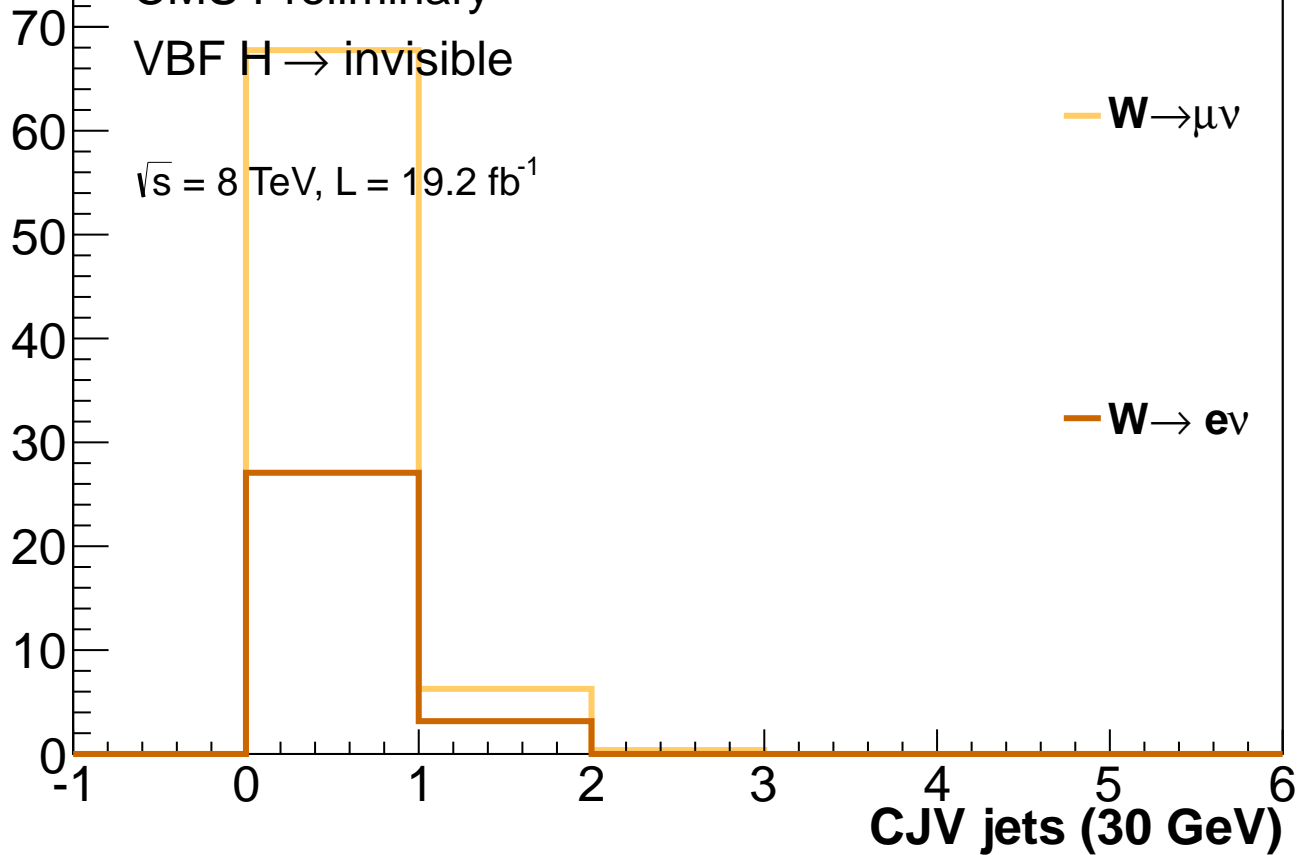
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

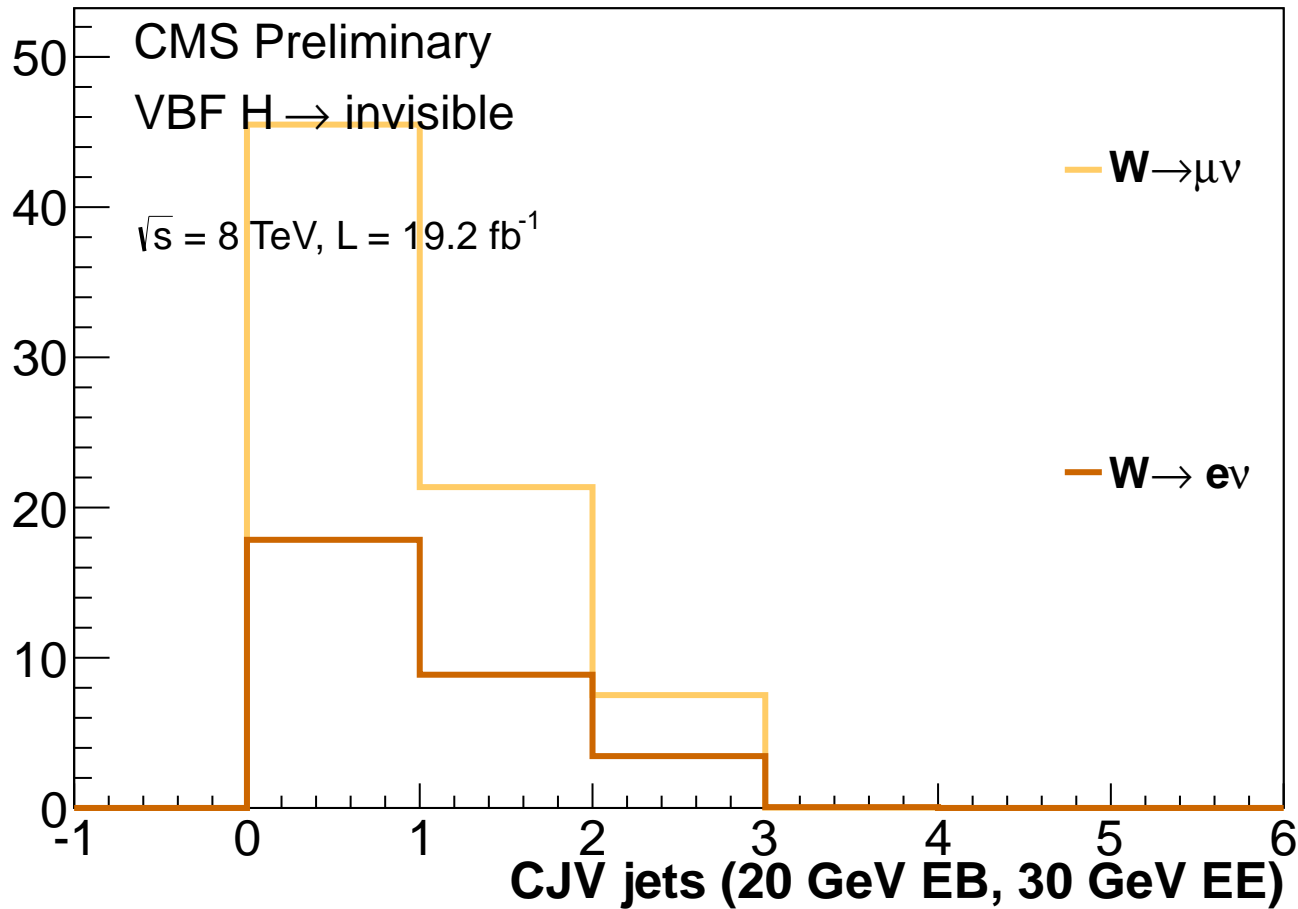
$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

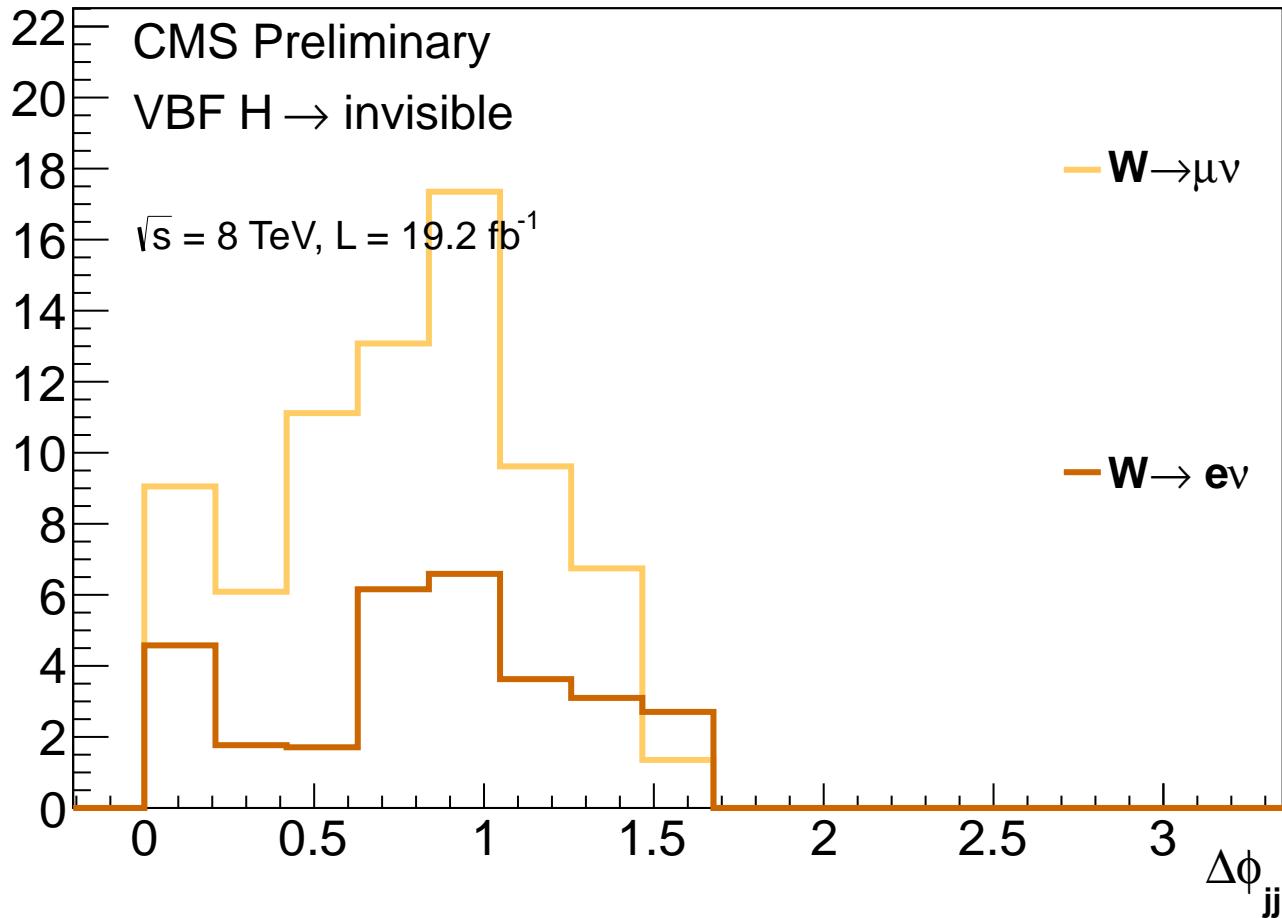
$W \rightarrow e\nu$



entries



entries



entries

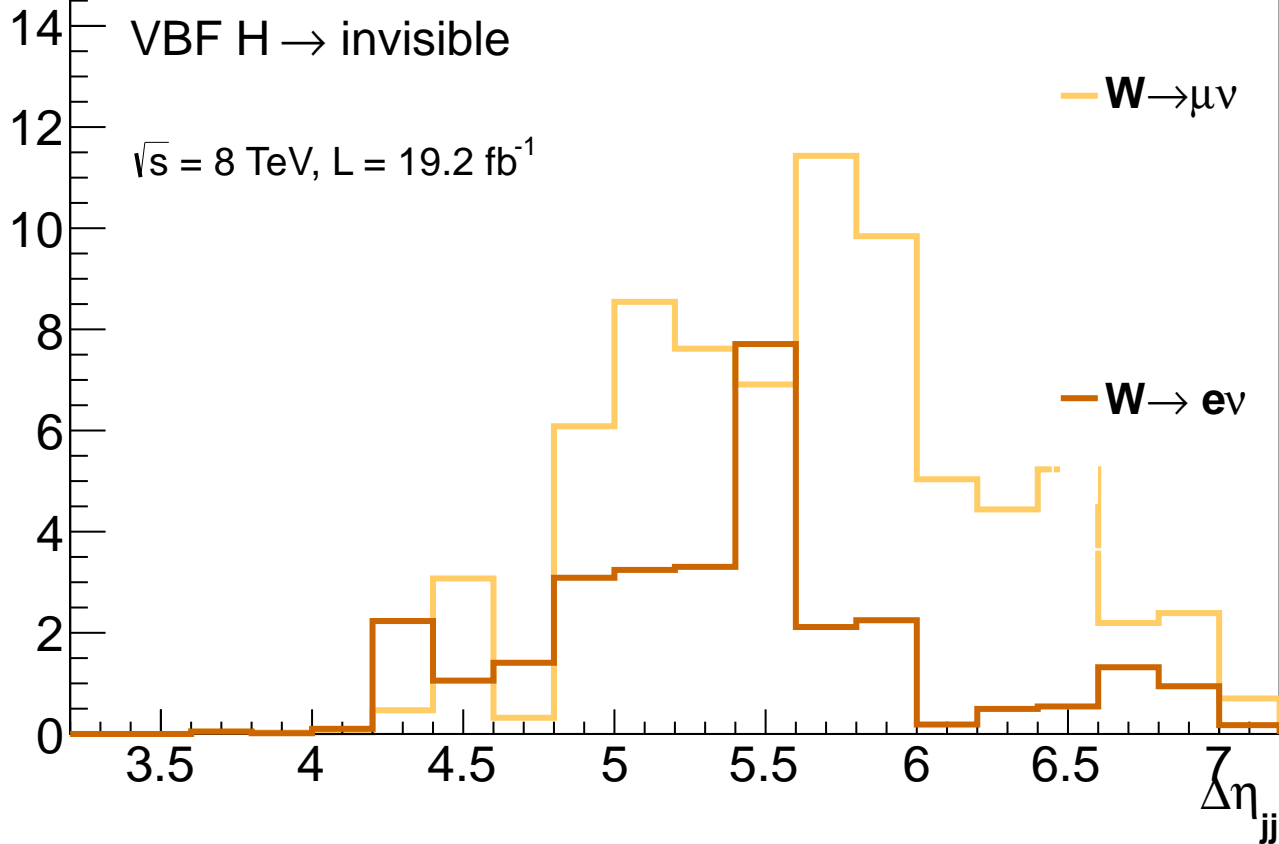
CMS Preliminary

VBF $H \rightarrow$ invisible

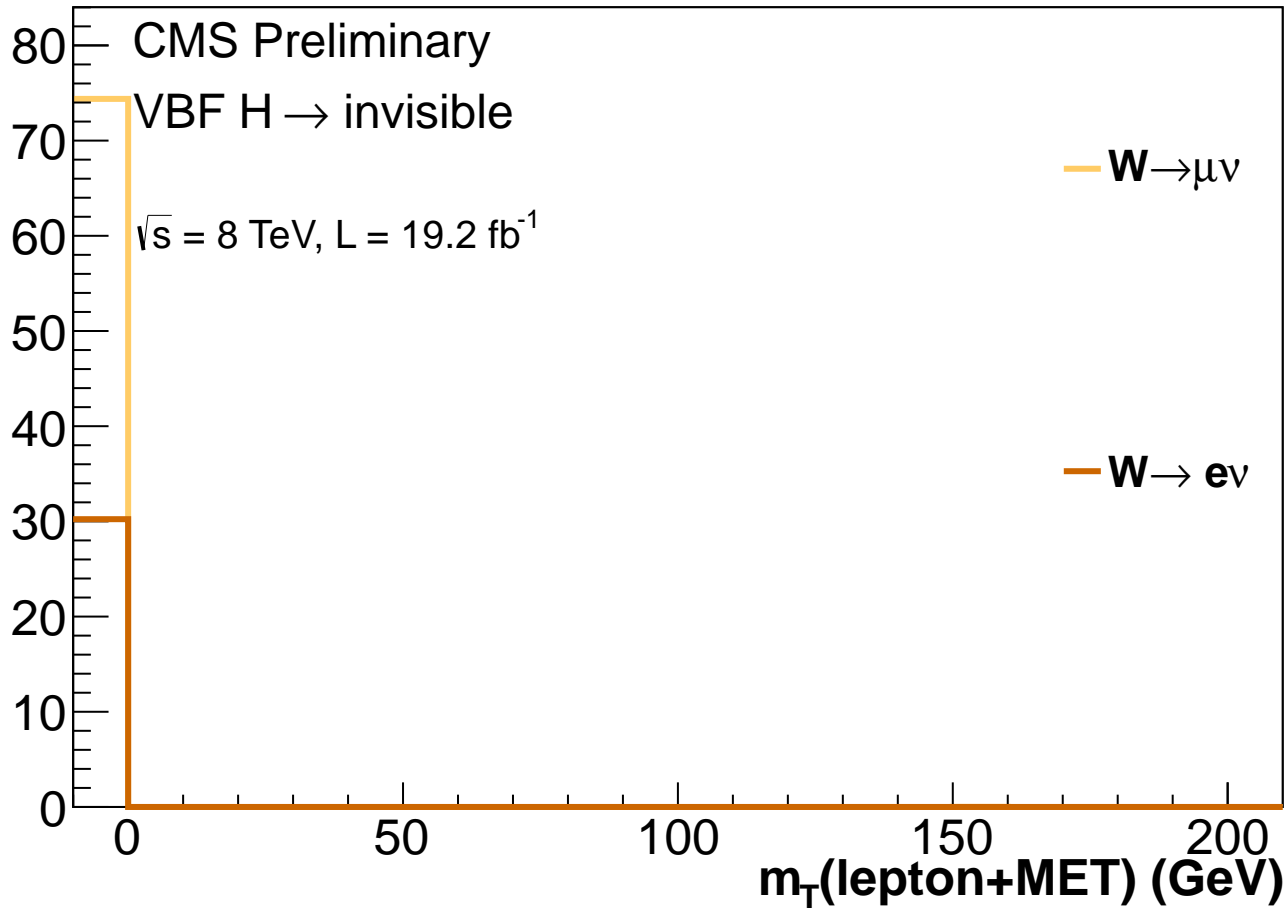
$\sqrt{s} = 8$ TeV, $L = 19.2$ fb $^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries



entries

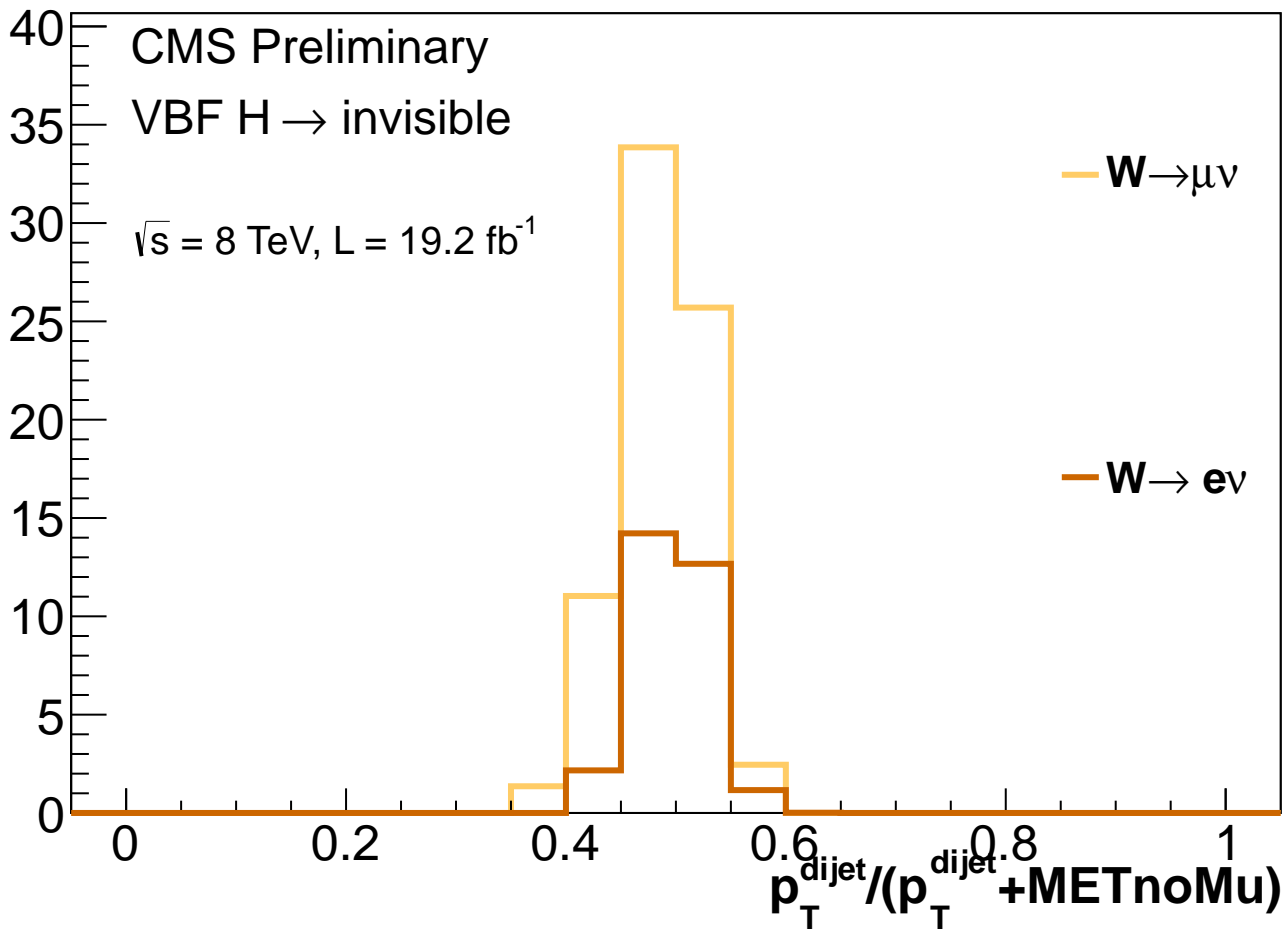
CMS Preliminary

VBF $H \rightarrow \text{invisible}$

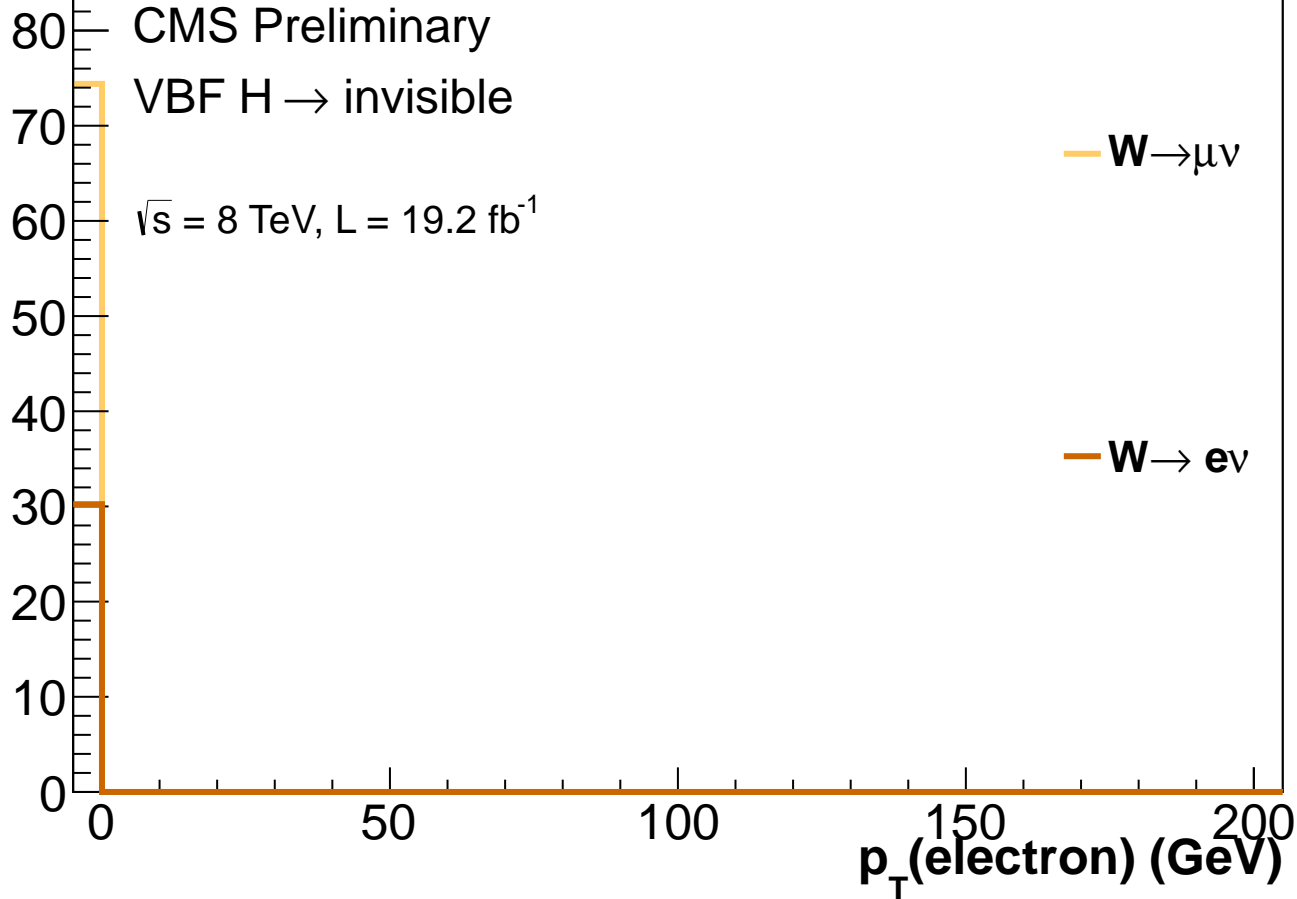
$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

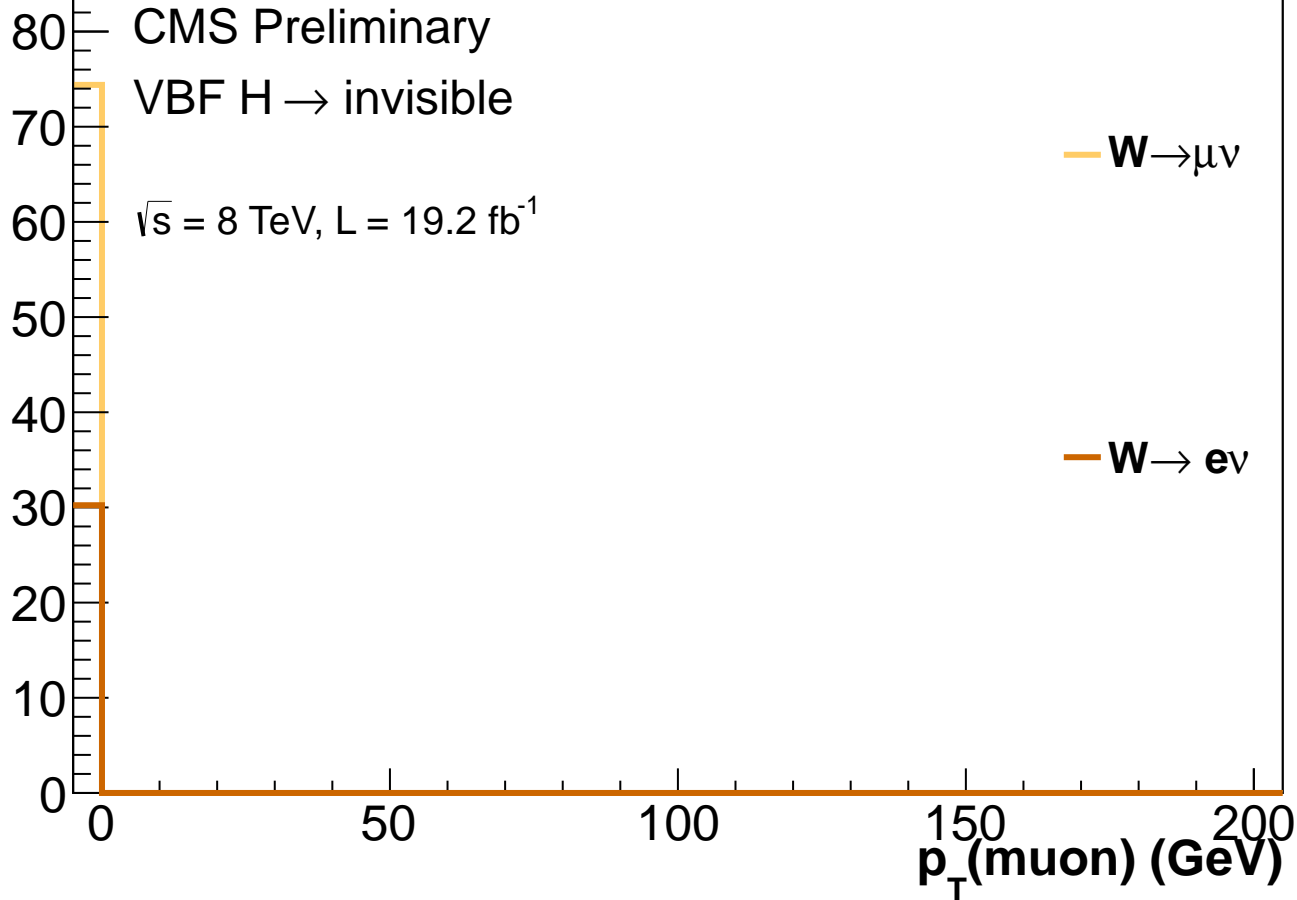
$W \rightarrow e\nu$



entries



entries



entries

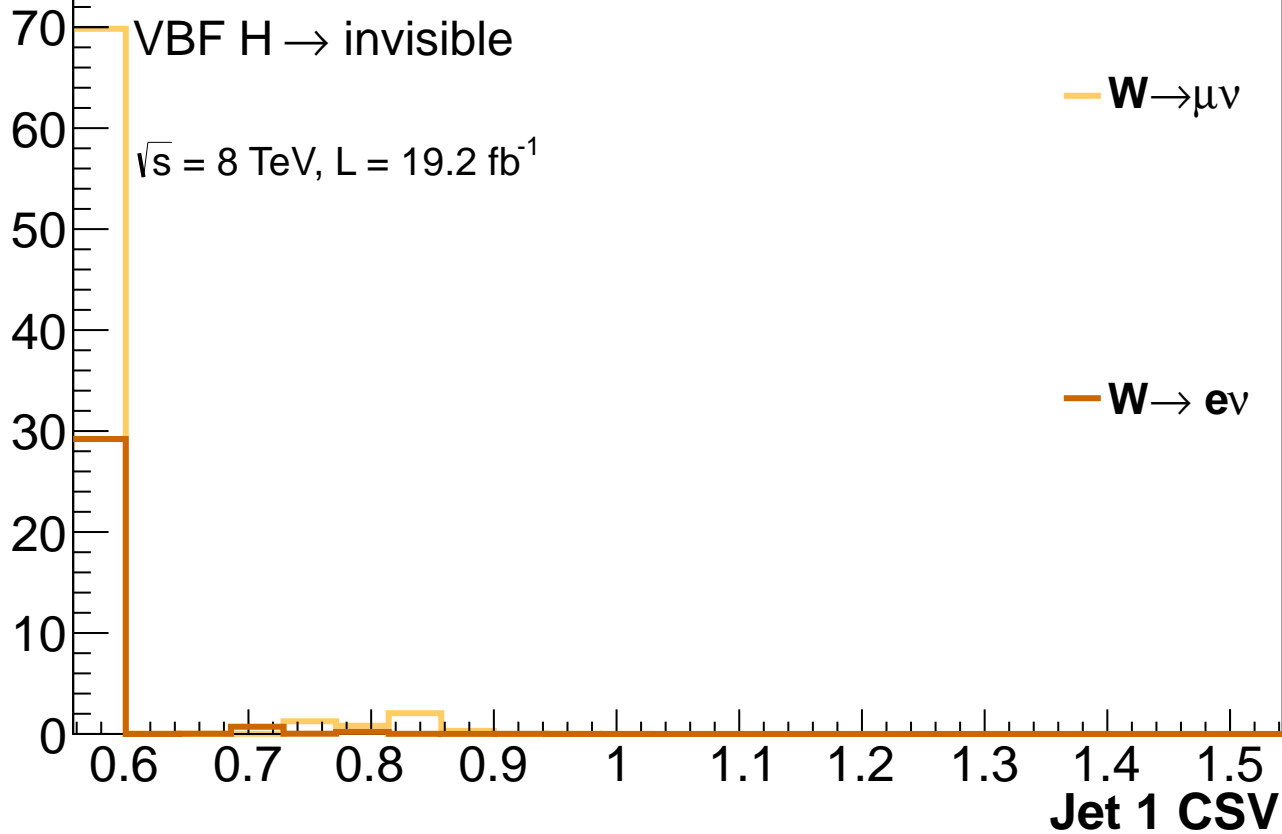
CMS Preliminary

VBF H \rightarrow invisible

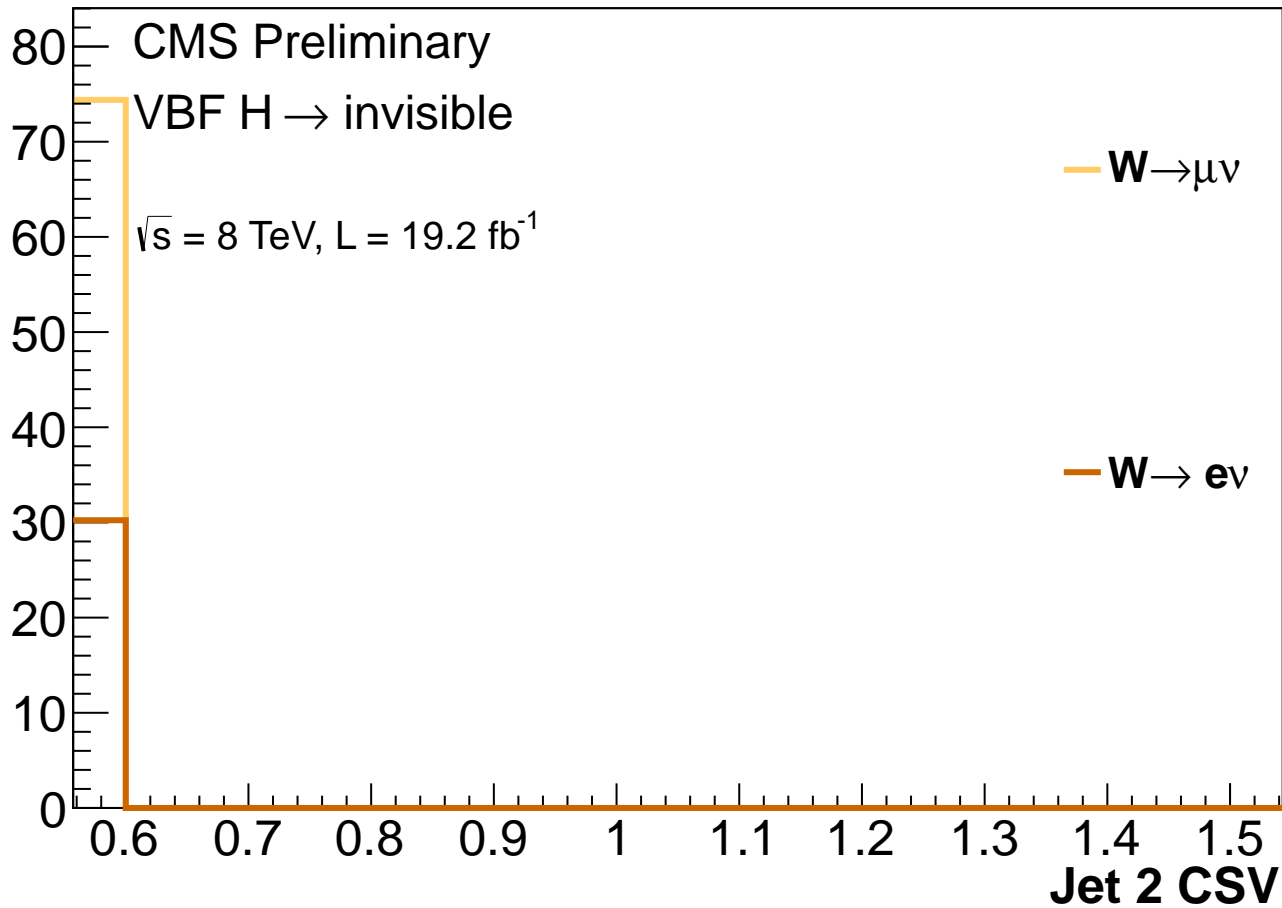
$\sqrt{s} = 8$ TeV, $L = 19.2$ fb $^{-1}$

$W \rightarrow \mu\nu$

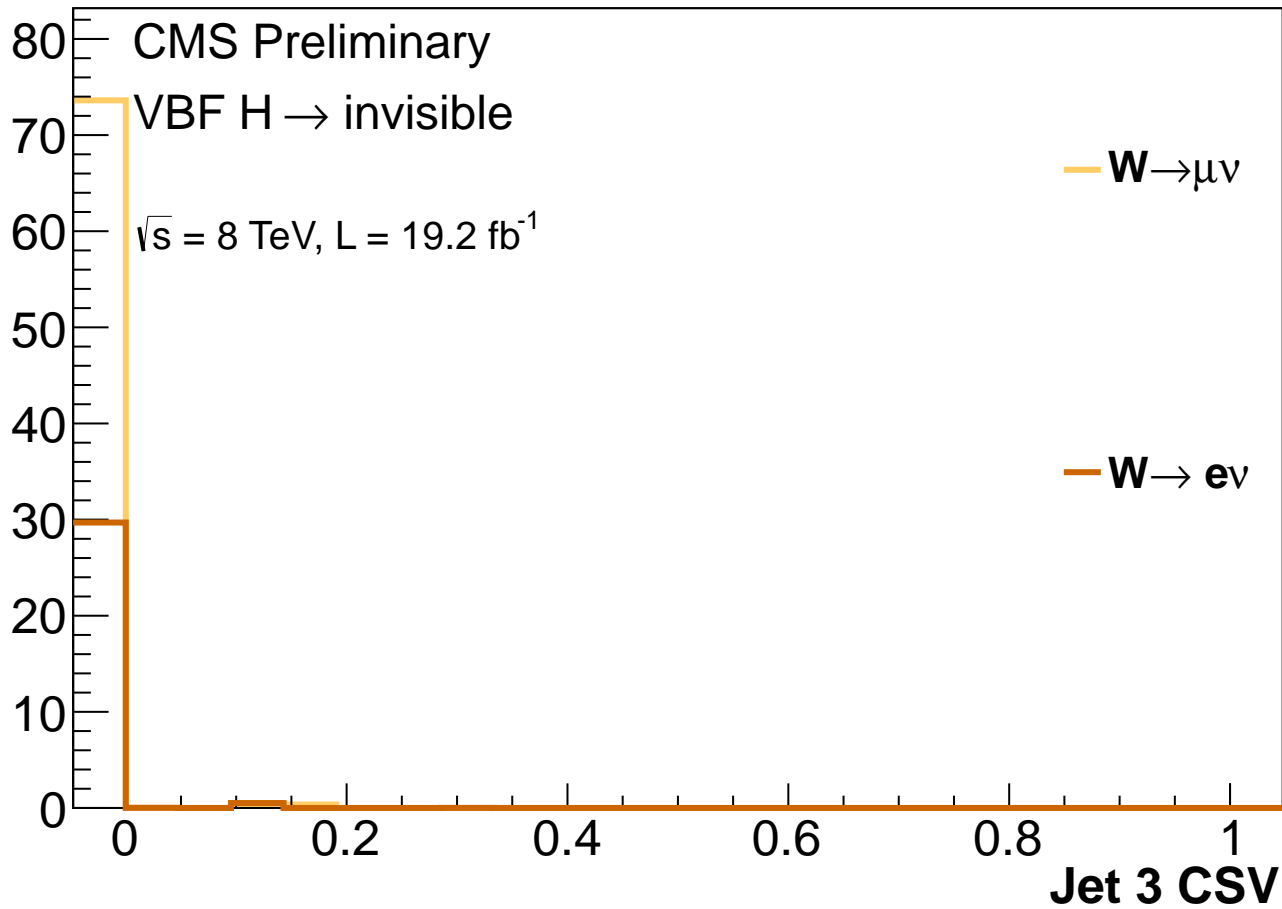
$W \rightarrow e\nu$



entries



entries



entries

CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$

70
60
50
40
30
20
10
0

0

2

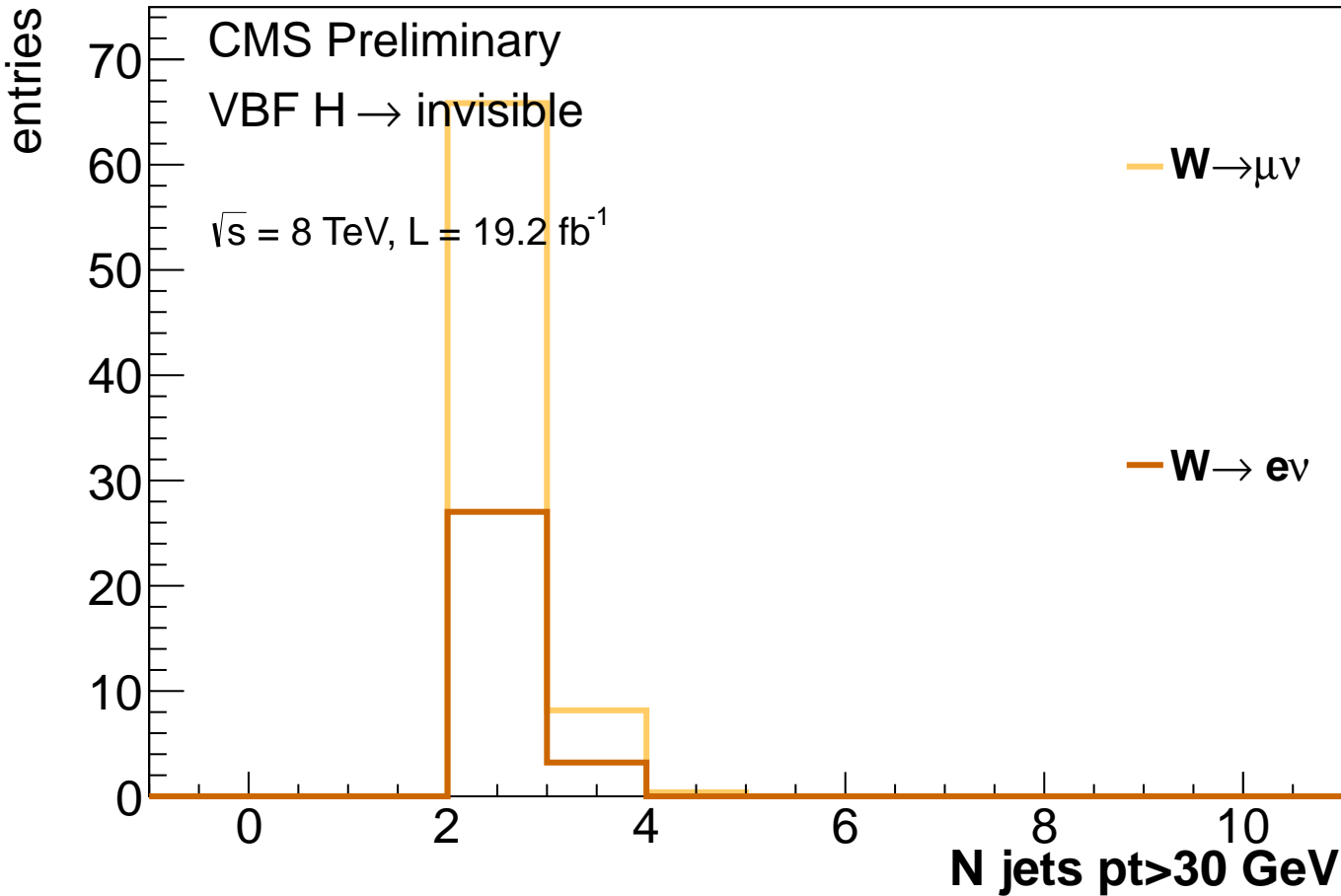
4

6

8

10

N jets pt>30 GeV



entries

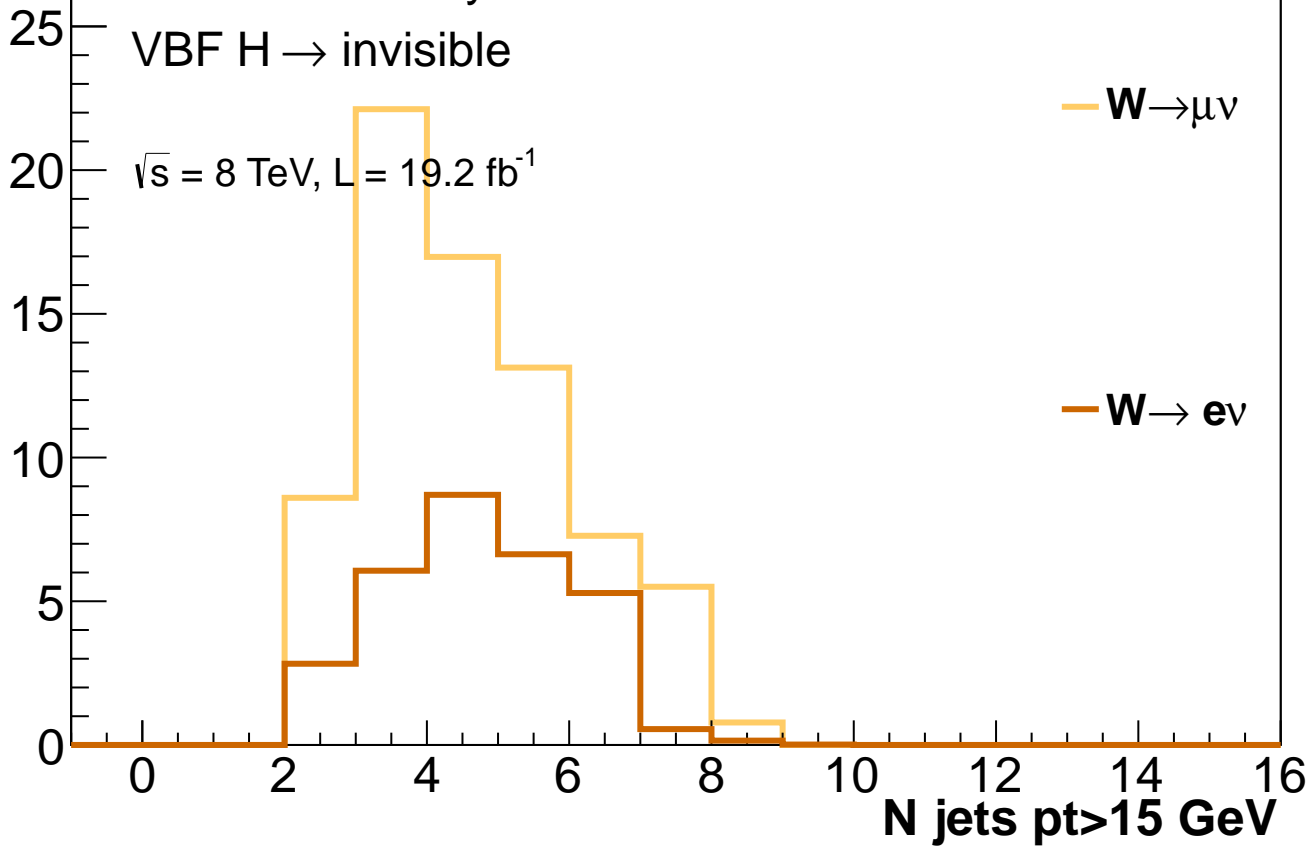
CMS Preliminary

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$W \rightarrow \mu\nu$

$W \rightarrow e\nu$



entries

CMS Preliminary

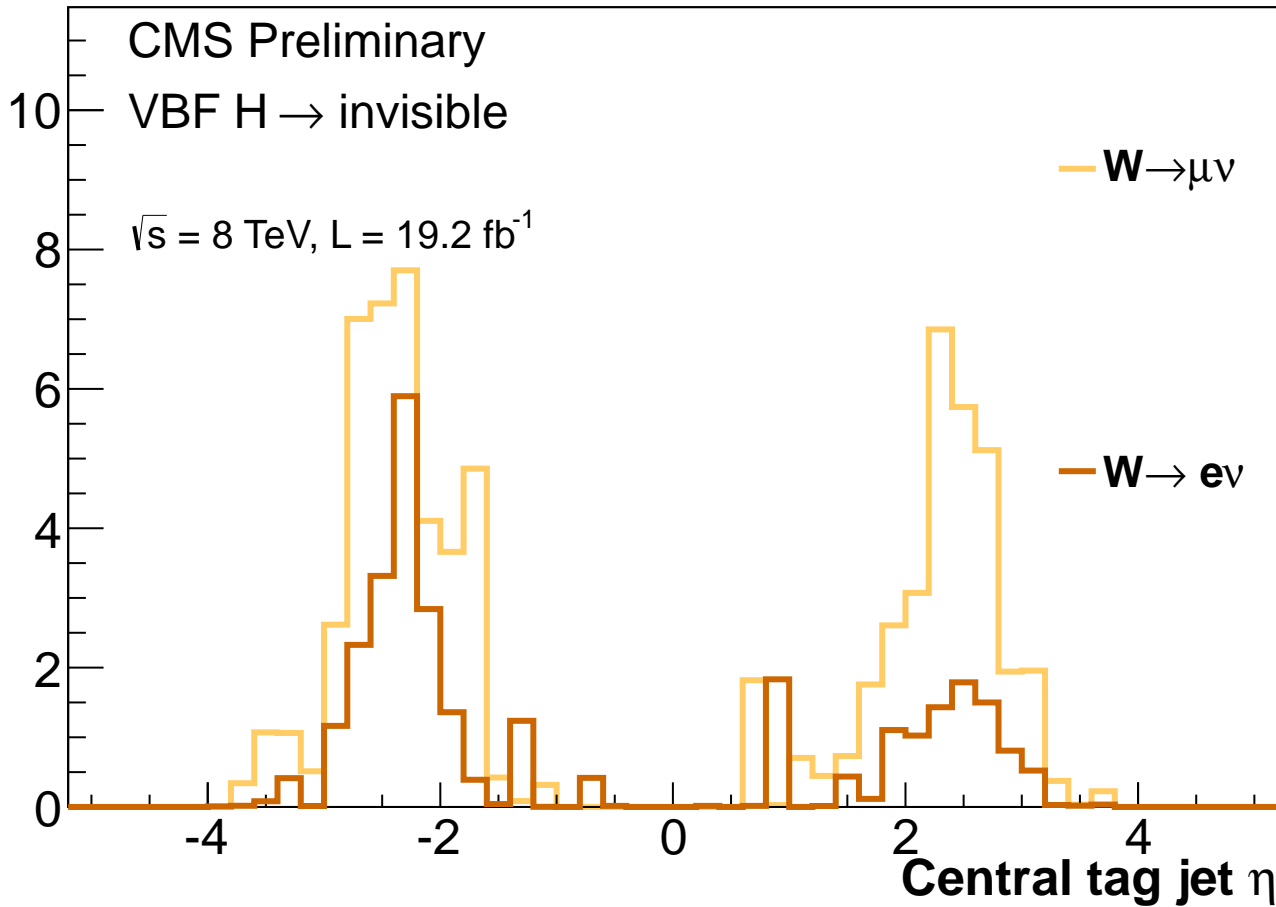
VBF $H \rightarrow$ invisible

$\sqrt{s} = 8 \text{ TeV}, L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$

Central tag jet η



entries

CMS Preliminary

VBF $H \rightarrow \text{invisible}$

$\sqrt{s} = 8 \text{ TeV}$, $L = 19.2 \text{ fb}^{-1}$

$W \rightarrow \mu\nu$

$W \rightarrow e\nu$

14
12
10
8
6
4
2
0

-4

-2

0

2

4

Forward tag jet η

