

Events

**CMS**

eee

 $e^+e^-\mu$  $e^+e^+\mu$ 

● Data

▨ Total unc.

⋯ HNL12

■ DF nonprompt

— HNL2

■ SF nonprompt

- - - HNL6

 $m(\ell\ell)$   
< 4 GeV $m(\ell\ell)$   
> 4 GeV $m(\ell\ell)$   
< 4 GeV $m(\ell\ell)$   
> 4 GeV $m(\ell\ell)$   
< 4 GeV $m(\ell\ell)$   
> 4 GeV10<sup>2</sup>

10

1

10<sup>-1</sup>

2.5

2

1.5

1

0.5

0

0-0.5

0.5-1.5

1.5-4

&gt;4

0-0.5

&gt;0.5

0-0.5

0.5-1.5

1.5-4

&gt;4

0-0.5

&gt;0.5

0-0.5

0.5-1.5

1.5-4

&gt;4

0-0.5

&gt;0.5

 $\Delta_{2D}$  (cm)

Stat. unc.

Total unc.

Data/Pred.

