

Events

**CMS**  
 $\mu\mu\mu$ —●— Data  
▨ Total unc.  
⋯ HNL12■ DF nonprompt  
— HNL2  
 $\mu^+\mu^-e$ ■ SF nonprompt  
- - - HNL6  
 $\mu^+\mu^+e$  $m(\ell\ell)$   
< 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>3</sup>10<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.

