

**CMS** *Preliminary*

35.9 fb<sup>-1</sup> (13 TeV)



nonprompt DF



nonprompt SF



TTX



Xgamma



multiboson



WJets



ttbar



DY

obs/pred  
1.5  
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.1

0

1

2

3

4

5

6

7

8

9

10

2D SIP ( I<sub>3</sub> )