

**CMS** *Preliminary*

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



nonprompt DF



nonprompt SF



TTX



Xgamma



multiboson



WJets



ttbar



DY

obs/pred  
1.0  
0.5  
0.2  
0.1

cos(SV pos, l2+l3 dir)