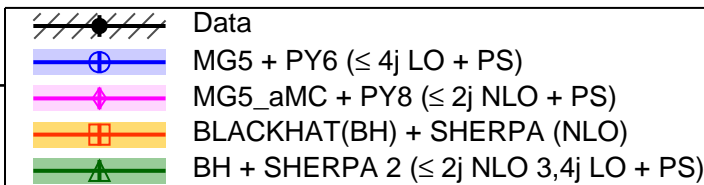


**CMS Preliminary**  
19.6 fb<sup>-1</sup> (8 TeV)



$d\sigma / d\Delta\phi(j_1, \mu)$  [pb]

10<sup>2</sup>

anti- $k_T$  ( $R = 0.5$ ) Jets  
 $p_T^{\text{jet}} > 30$  GeV,  $|\eta^{\text{jet}}| < 2.4$   
 $W (\rightarrow \mu\nu) + \geq 1\text{jet}$

MG5/Data

Stat. unc. (gen)

Theory/Data

Sys. and Stat. unc. (gen)

SHERPA2/Data

Stat. unc. (gen)

$\Delta\phi(j_1, \mu)$

