

**CMS***work-in-progress*

(13.6 TeV)

Events

• Data

— signal $\times 100$  $\gamma\gamma$ +jets $\gamma$ +jets

QCD (Pt40 MGG80)

QCD (Pt30-40 MGG80)

QCD (Pt30 MGG40-80)

 $H\rightarrow\gamma\gamma$ 

40000

35000

30000

25000

20000

15000

10000

5000

0

Data/MC

1

0.5

-2

-1

0

1

2

lead  $\gamma$   $\eta$ 