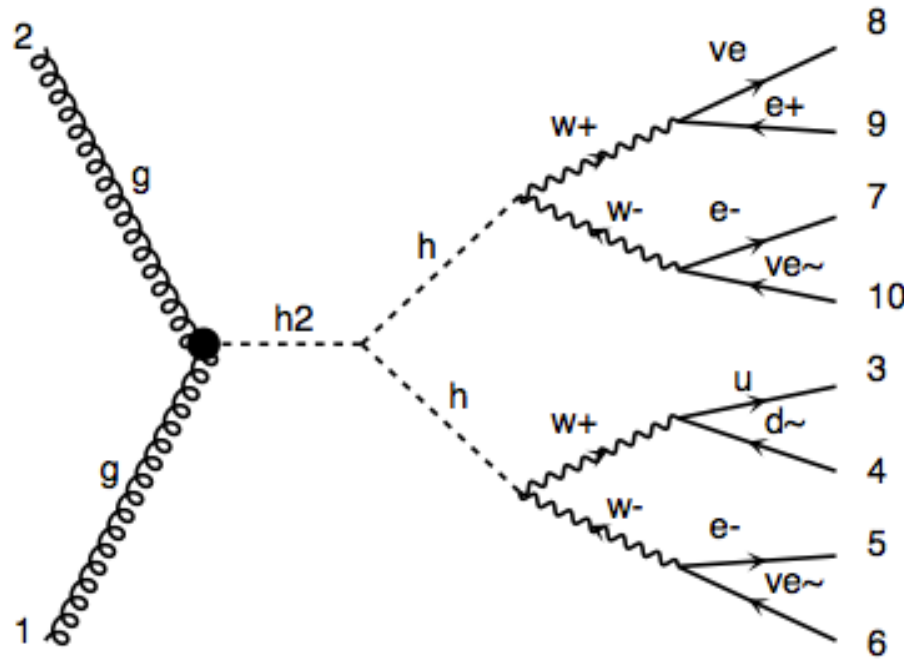


Signal: $pp \rightarrow H \rightarrow hh \rightarrow ww ww \rightarrow l \nu l \nu l \nu qq$



Generating qq from on-shell w and off-shell w separately.

10000 events: about 10 hours

BG

1. $pp \rightarrow l v l v l v q q$

too many diagrams

2. $pp \rightarrow l l l v q q$

too many diagrams

3. $pp \rightarrow l v l v l v$



10000 events: about 3 hours

4. $pp \rightarrow l l l v$



BG

1. $p p > l \nu l \nu l \nu q q$



$p p > l \nu l \nu l \nu w > l \nu l \nu l \nu q q$



$p p > l \nu l \nu w w > l \nu l \nu l \nu q q$



$p p > l \nu w w w > l \nu l \nu l \nu q q$



10000 events: about 1 day...

2. $p p > l l l \nu w, w > q q$

