
Work Status

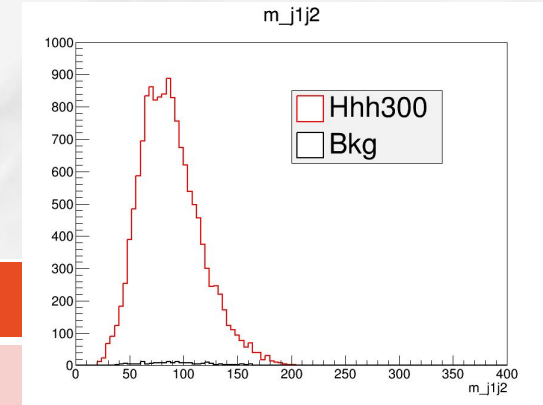
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Cut-flow results

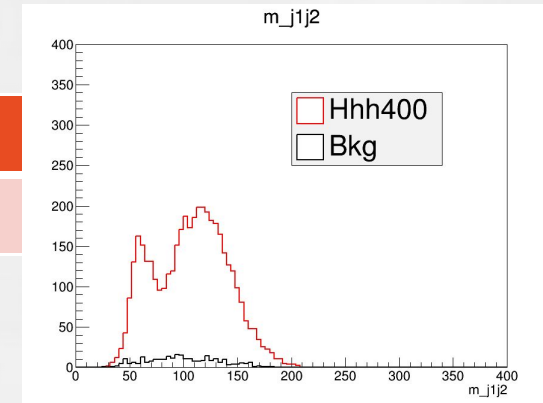
- Bkg: add ttW, tth, ttZ, Whjj, Zhjj, WZ4j and WW4j according to xsecs
- after basic selection and event selection
- H300:

processes	H300	Bkg
$m_{ljllj} < 330$	40.8%	0.59%



- H400:

process	H400	Bkg
$m_{ljllj} < 350$	32.9%	0.89%

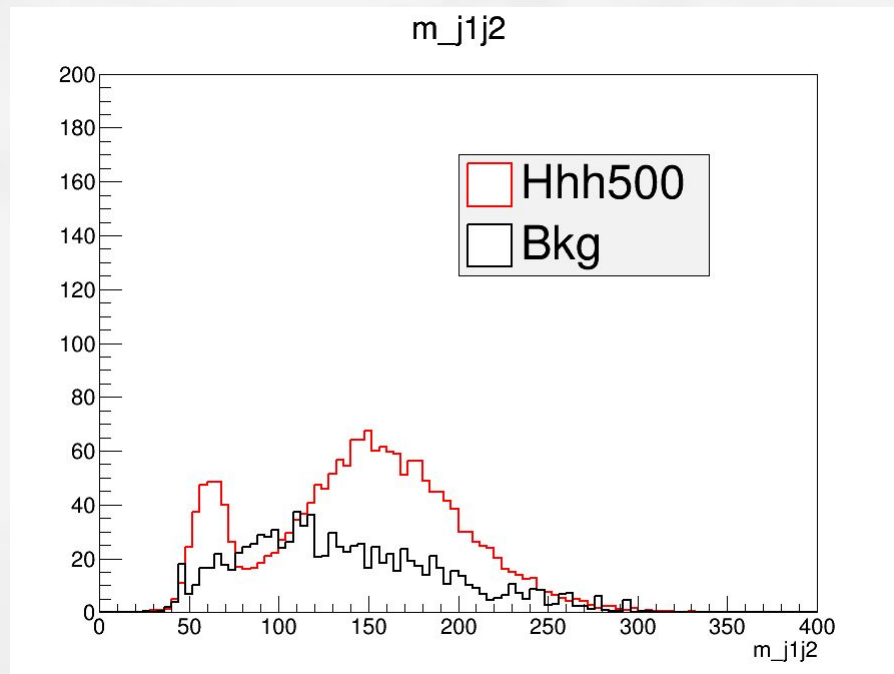


- Plots made after all of cuts
- H300(119 fb) and H400(43.1 fb) has bigger xsecs and m_{ljllj} has very strong separating power. It's hard to find good further cuts.

H500

➤ xsec is much smaller(13.8fb)

processes	H500	Bkg
$m_{ljlljj} < 500$	51.5%	4.7%
$dR_{ll} < 1.6$	46.4%	3.2%



To do list

- 600 and 700 ongoing, not easy..
- optimizations

Backup