



IHEP

Weekly

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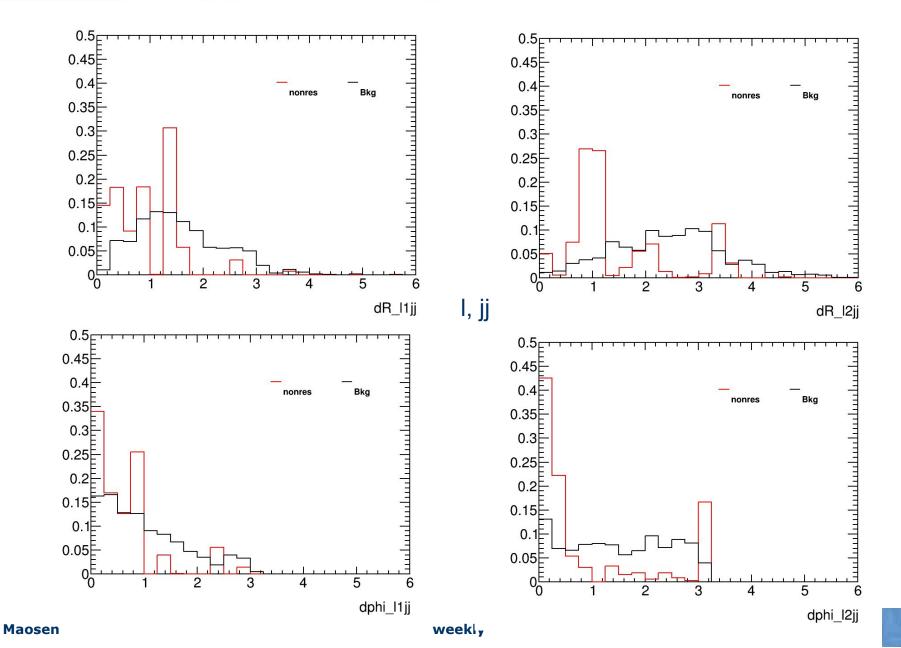
Introduction

Full non-res HIGG8D1 derivations ongoing;

Have a look at 10k events;



Kinematics



cut flow

senerator process:

pp>h2>hh>4w>l+-l+-vvqqqq;

ee

16.5%

basic selections:

- Trigger;
- Object definitions;
- Overlap removal;
- b veto;
- two loose SS leptons;

1 1 1 1'		
		non-res
	initial	100%
	HIGG8D1	52%
	basic selections	14.2%
	≥4 jets, 2 tight leptons	4.2%
,	K	
	mumu	emu
	33.3%	50.1%

To do list

- Signal optimizations for non-res;
- Fix jet fakes excess in emu channel;
- Validate fake factor of electrons;
- Uncertainties.



