



Snowmass EWK

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Other Operators for ssWW:

beam energy (TeV)	coupling constant	coupling value	x-sec	error	event efficiency
14	0	0	0.009003	2.20E-05	100%
14	FS0	1.00E-11	0.009867	2.20E-05	100%
14	FS1	1.00E-11	0.009135	2.22E-05	100%
14	FM0	1.00E-11	0.01137	2.30E-05	100%
14	FM1	1.00E-11	0.00997	2.50E-05	100%
14	FT0	1.00E-11	0.2995	6.20E-04	100%
14	FT1	1.00E-11	1.351	2.90E-03	100%
14	FT2	1.00E-11	0.1516	3.10E-04	12%

FT1 has the largest effect -> use FT1 with smaller coupling values (need to run)

Technical Report:

- Produced root file from snowmass delphes cards with pile-up setting
- Needed to run Madgraph at pythia level (I had been only doing parton level) to produce .hep files
- Root file format needs to be modified to insert into Shih-Chieh's limit setting
 - Shu has something...
 - Should we explore some other discriminating variables (i.e. lepton p_T)?
 - Question for Shih-Chieh: what is the specific order of components to specify?
 - ./main ./rootfile.root backgrounds SM signal ???
 - What if we have multiple backgrounds? Can we specify separately or do they need to be built into the input root file?
- No preliminary limits yet (tomorrow?)

Output from Snowmass Delphes smearing:
ssWW FS0 1e-11 (100 events):

