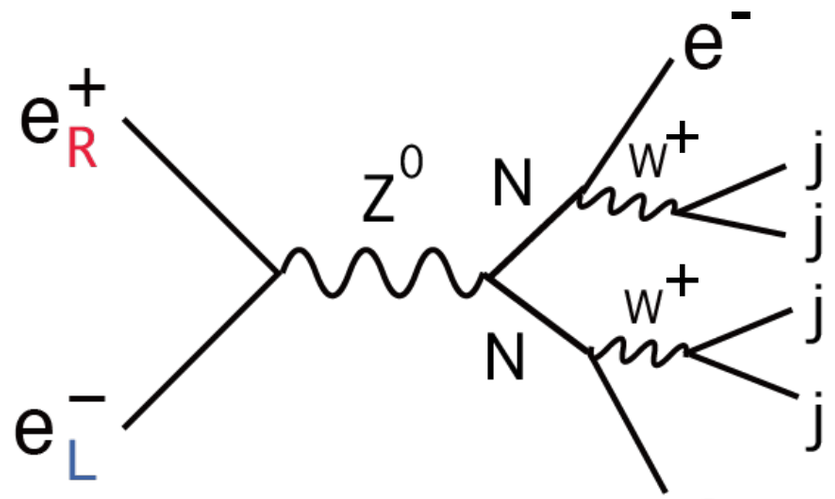
Progress

- Make samples which is assumed majorana.
  - $M_{RHN} = 200\text{GeV}$
  - $\sqrt{s} = 500$ GeV, ILC beam spectrum + ISR

→Now analyzing



Cross section[fb]

	eLpR	eRpL	eLpL	eRpR
ee→NN→eqqeqq	1.30E+04	3.24E-02	8.32E-08	8.35E-08
ee→Nn→eqq	2.23E+05	2.08E+02		

- I study Delphes-mini-DST. (http://ilcsnowmass.org/)

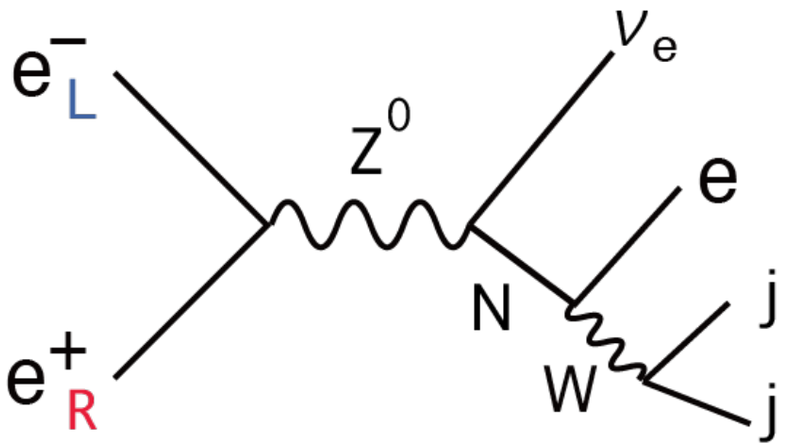
How to produce RHN at ILC

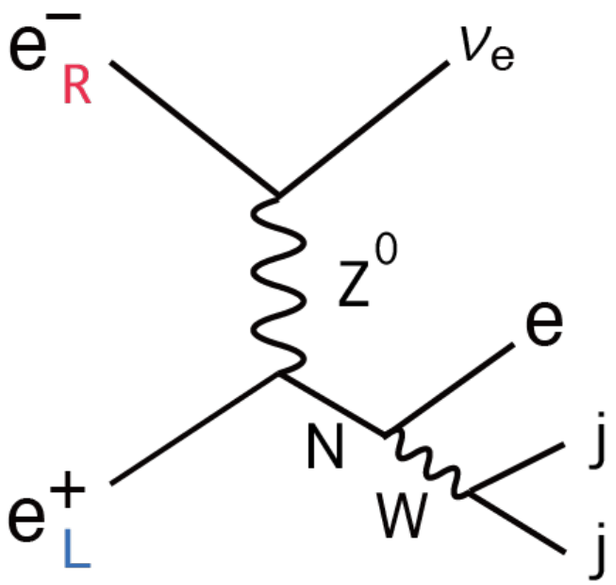
- 4 fermions
- single W
- semileptonic decay
- Ignore hadronic shower

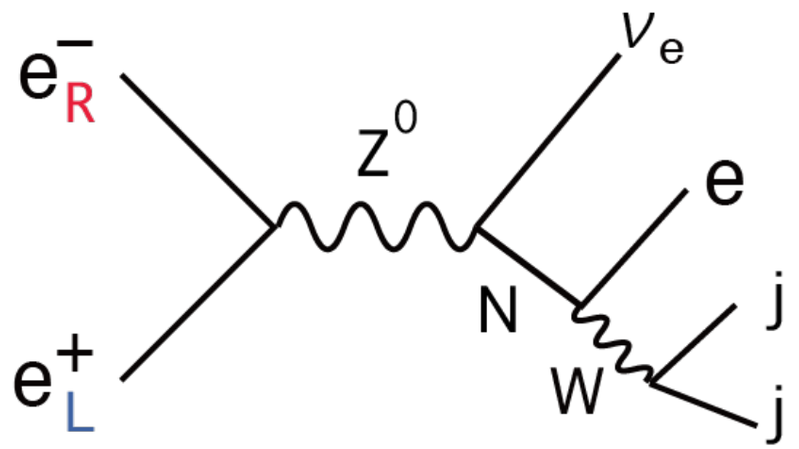
Condition

- Whizard generator 2.8.4
- UFO model from Arindam Das
- 100% beam polarization
- $\sqrt{s} = 500$ GeV, ILC beam spectrum + ISR
- $M_{RHN} = 200,300,400,450$ GeV

- MC particles , no hadronization







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