Abstract Submitted
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The Search for the W' and Right-Handed Neutrino GUY GRUBBS, SPS — In this experiment, a search was conducted for the W' and right-handed neutrino in the W' llqq channel. A program was created in order to read data, make cuts, and look for interesting data points. After this program was created, signals of different W' and right-handed neutrino masses were input along with data and cuts were made. In the end, the experiment was able to conclude with a 95% confidence level that a W' particle does not exist for right-handed neutrino masses of 100 and 300GeV. More signals of different W' and right-handed neutrino masses should be tested in order to set limits on their existence in this channel.

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