

Feynman Diagrams

ATLAS SUSY Group

March 1, 2018

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SUSY Template

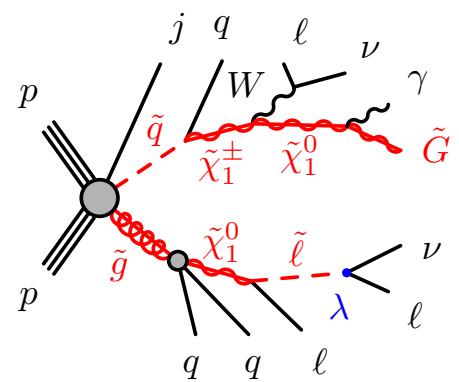


Figure 1: ATLAS-SUSY.tex

1 Interactions

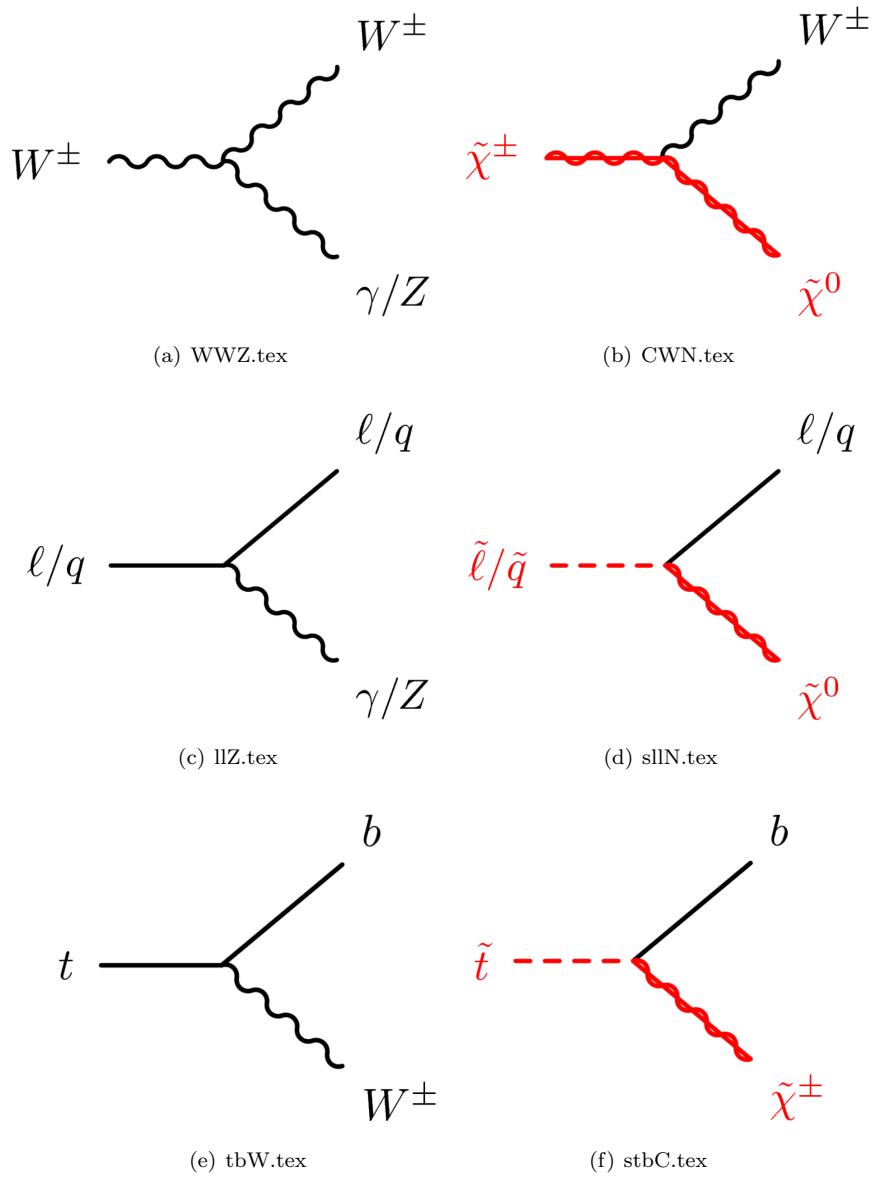


Figure 2:

2 Squark and Gluino Production

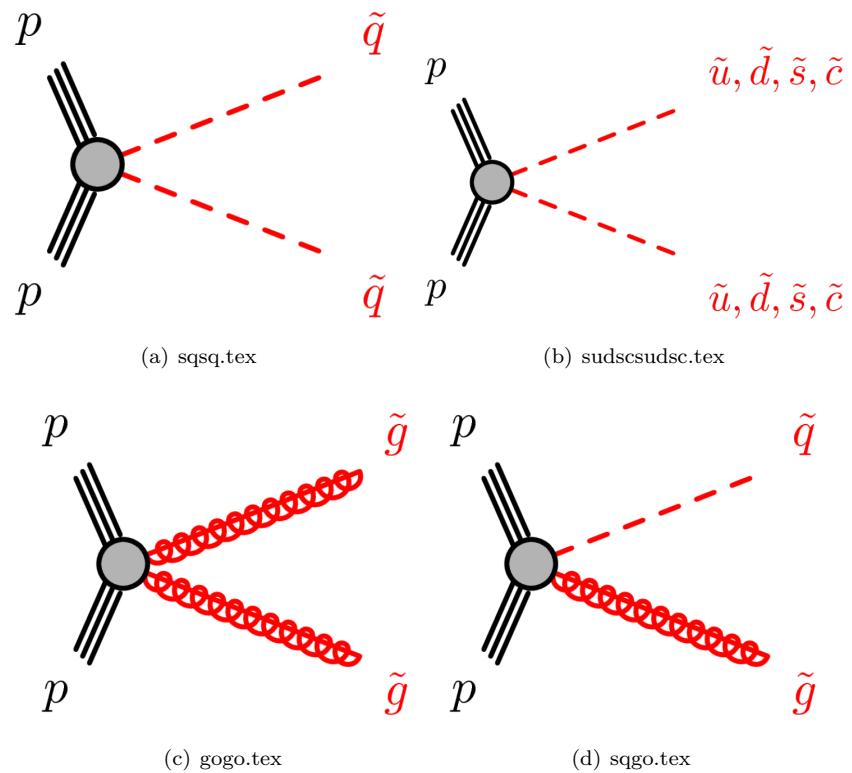


Figure 3:

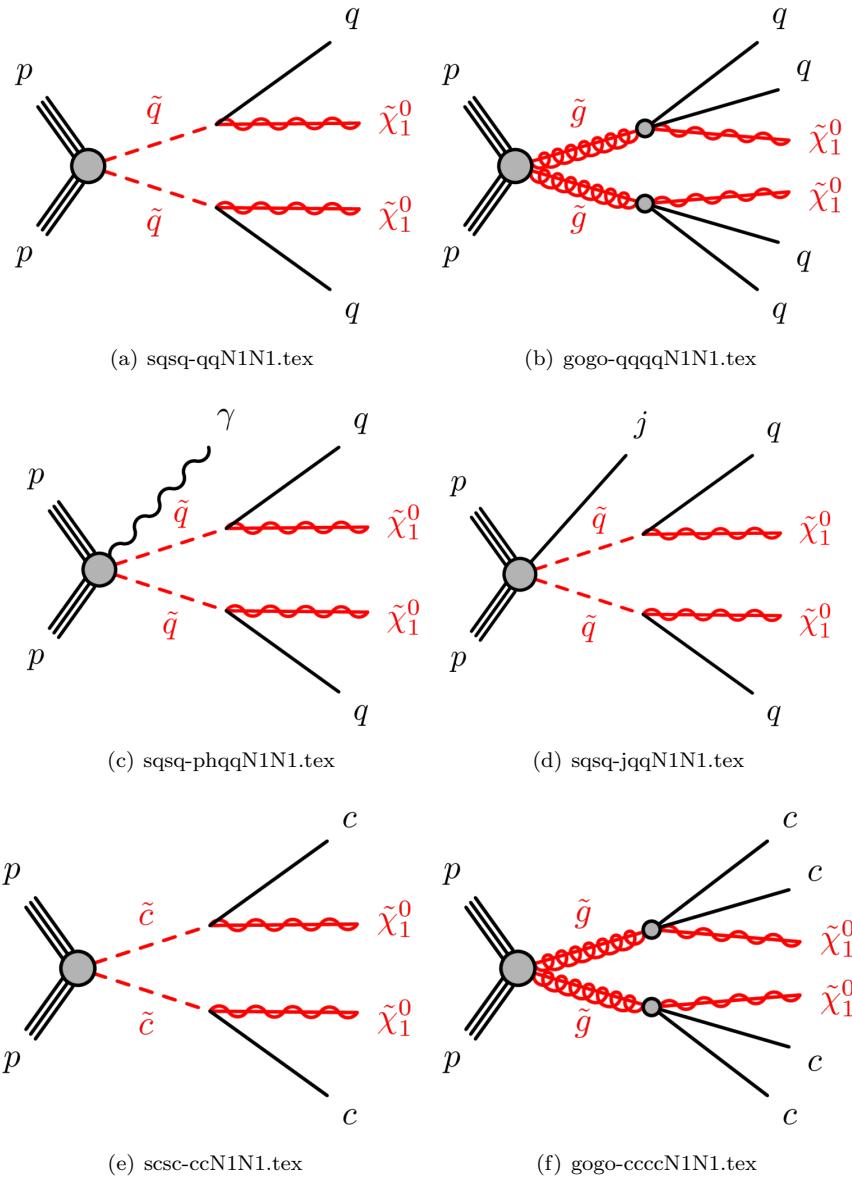


Figure 4:

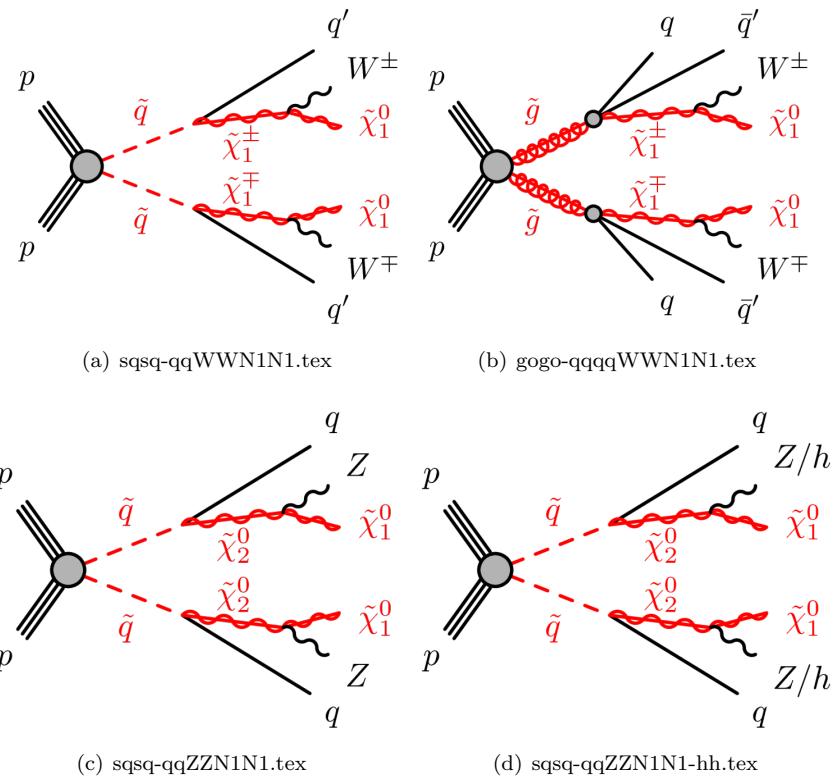


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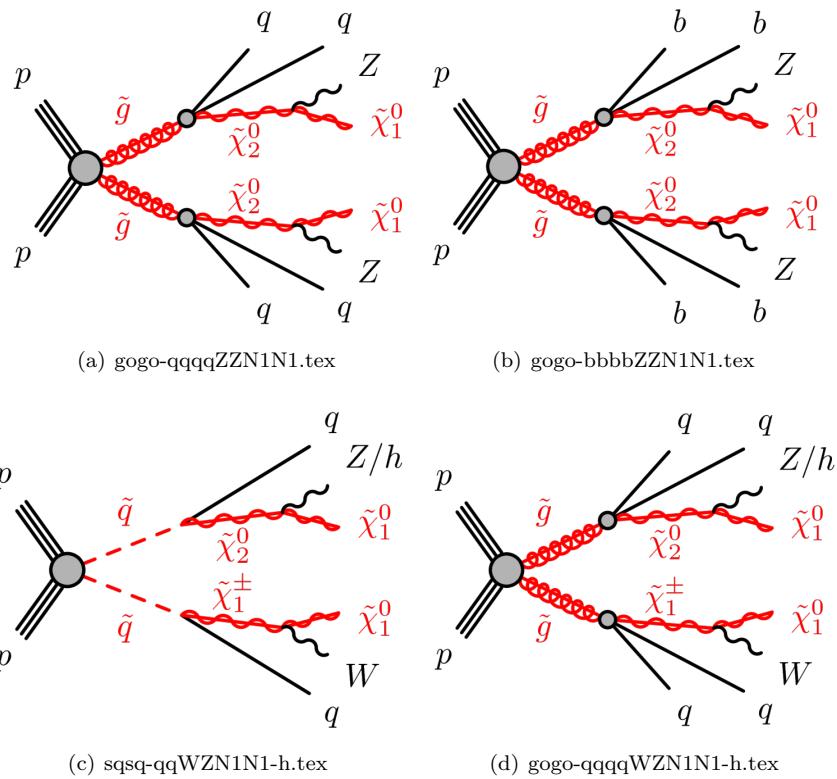


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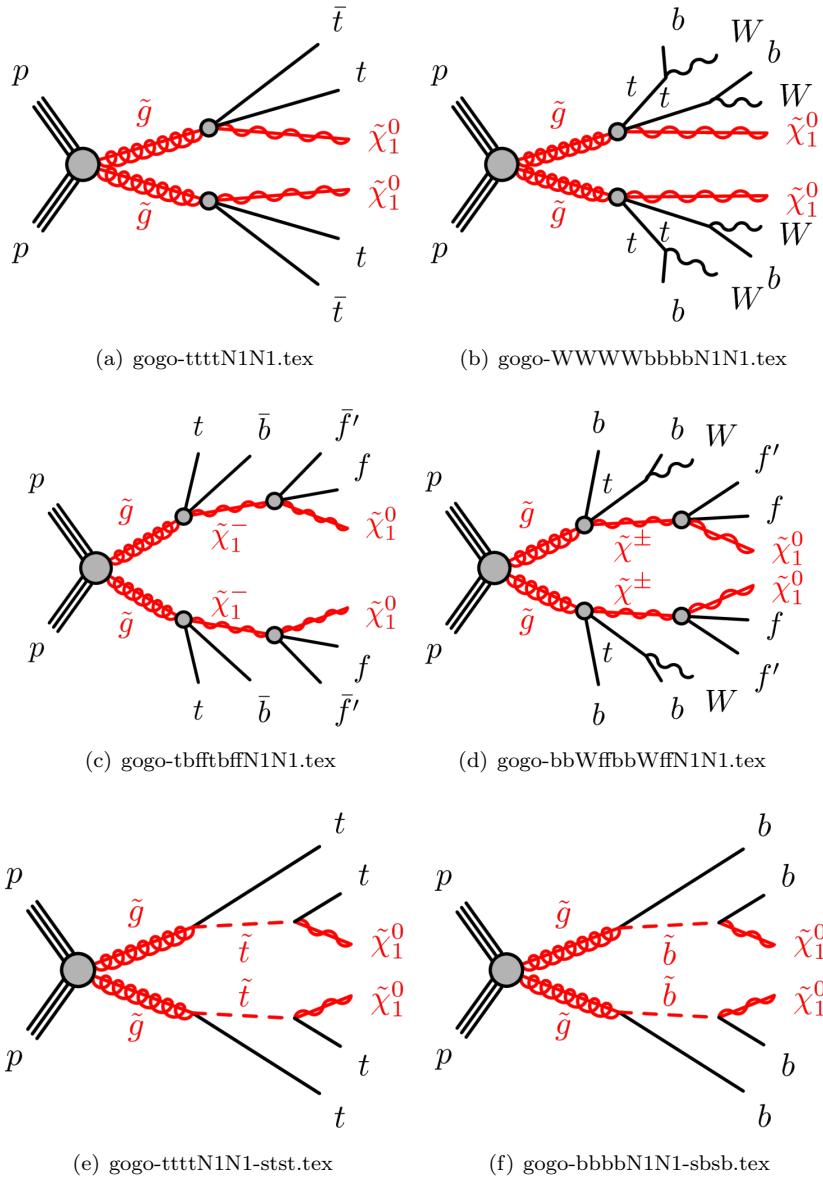


Figure 8:

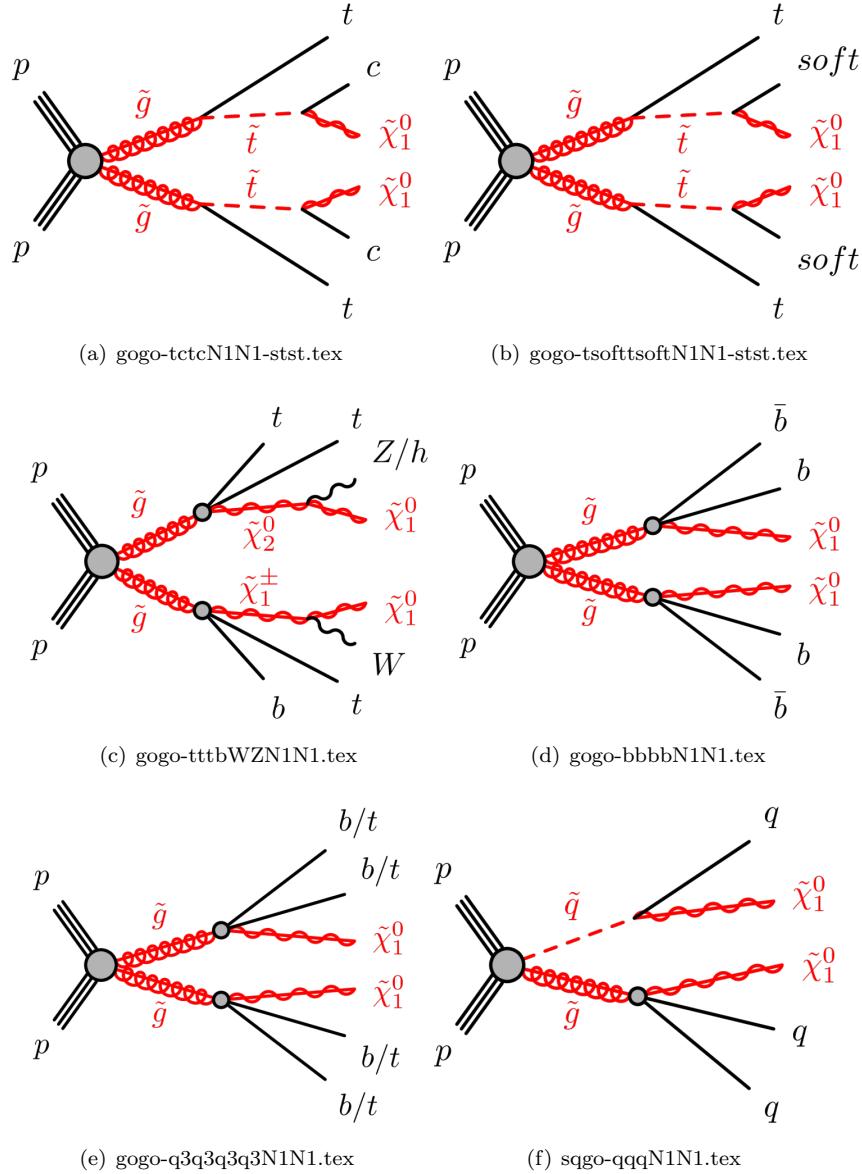


Figure 9:

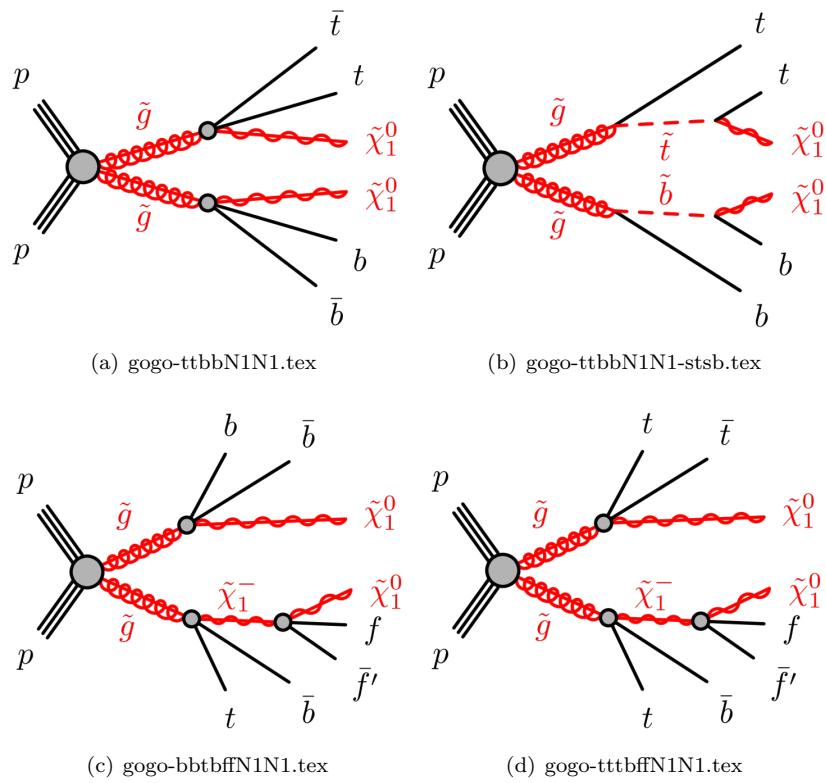


Figure 10:

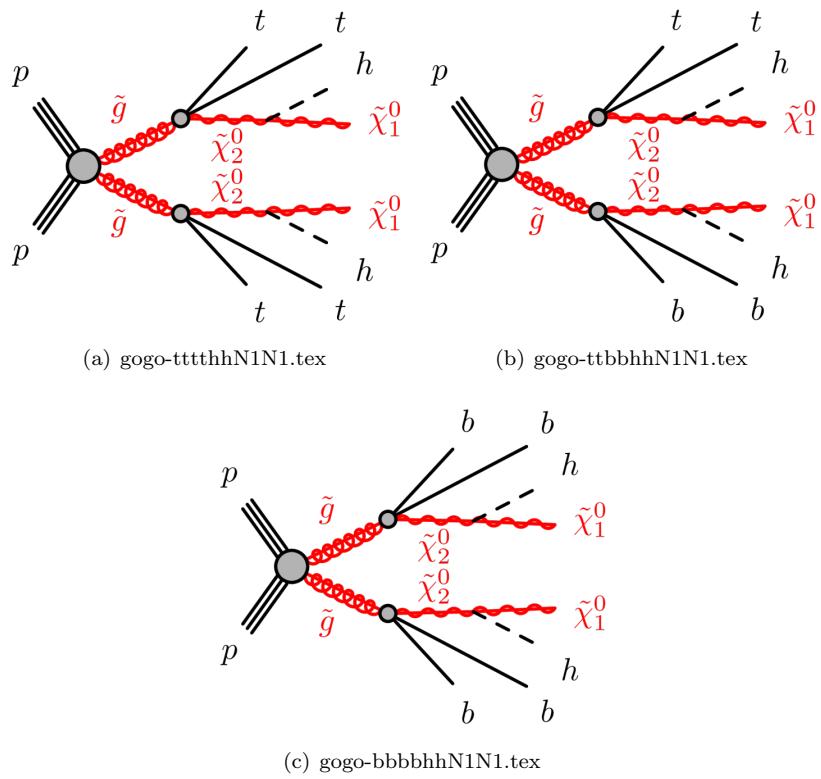


Figure 11:

3 Third Generation

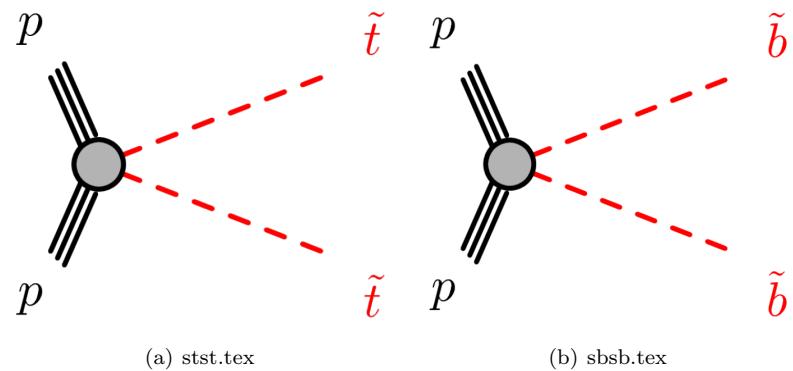


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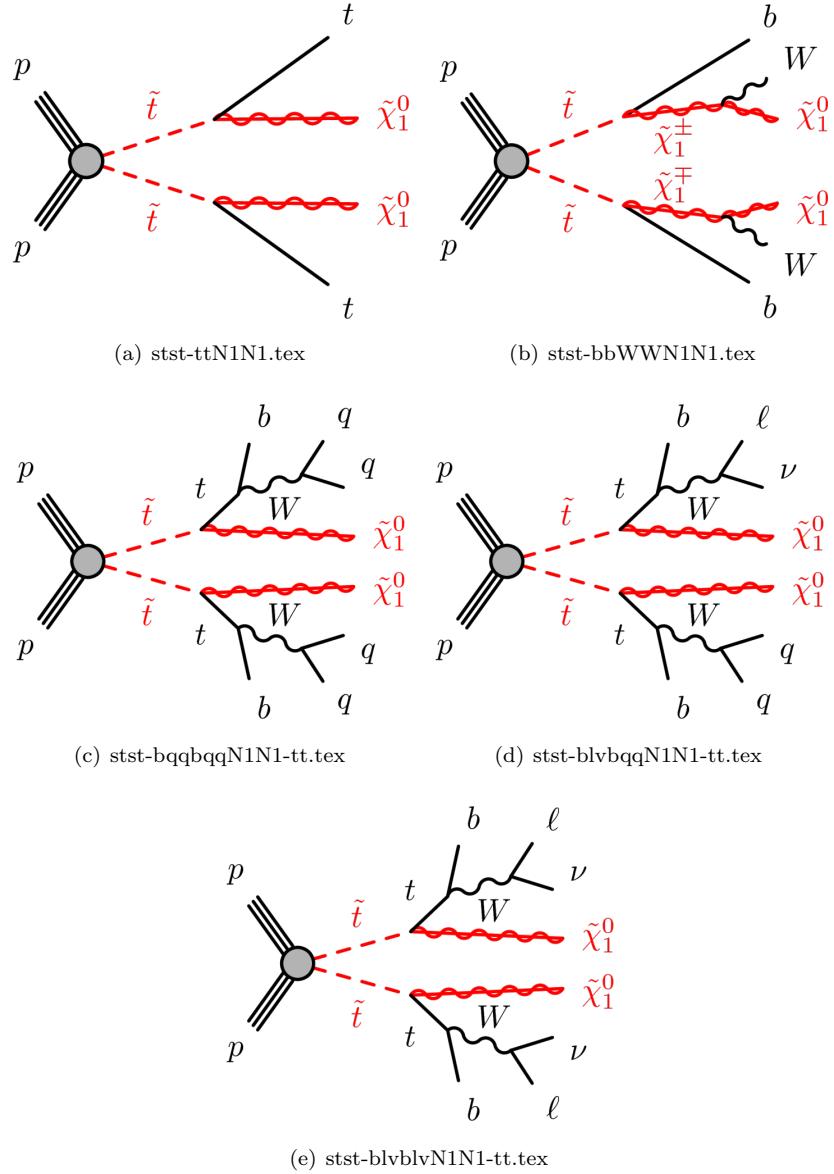


Figure 13:

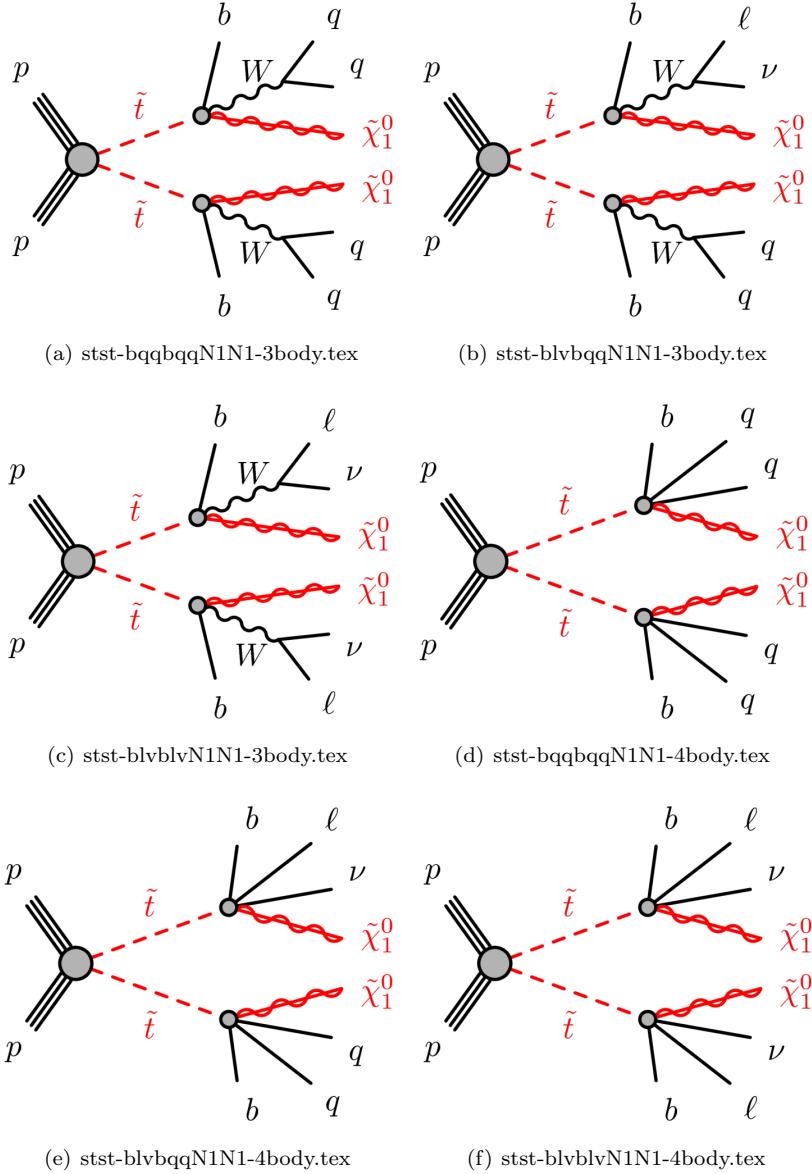


Figure 14:

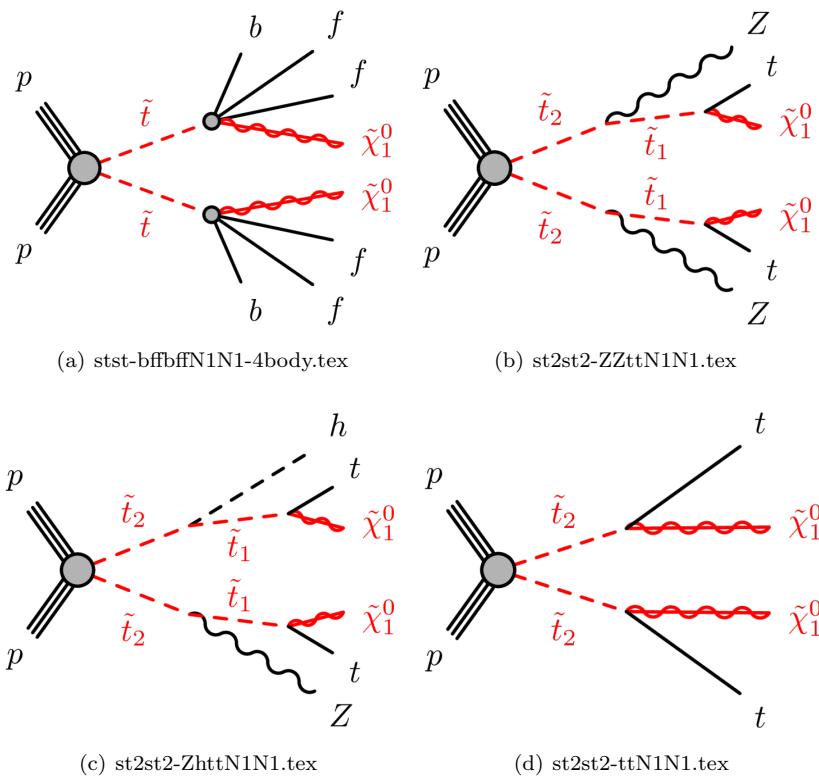


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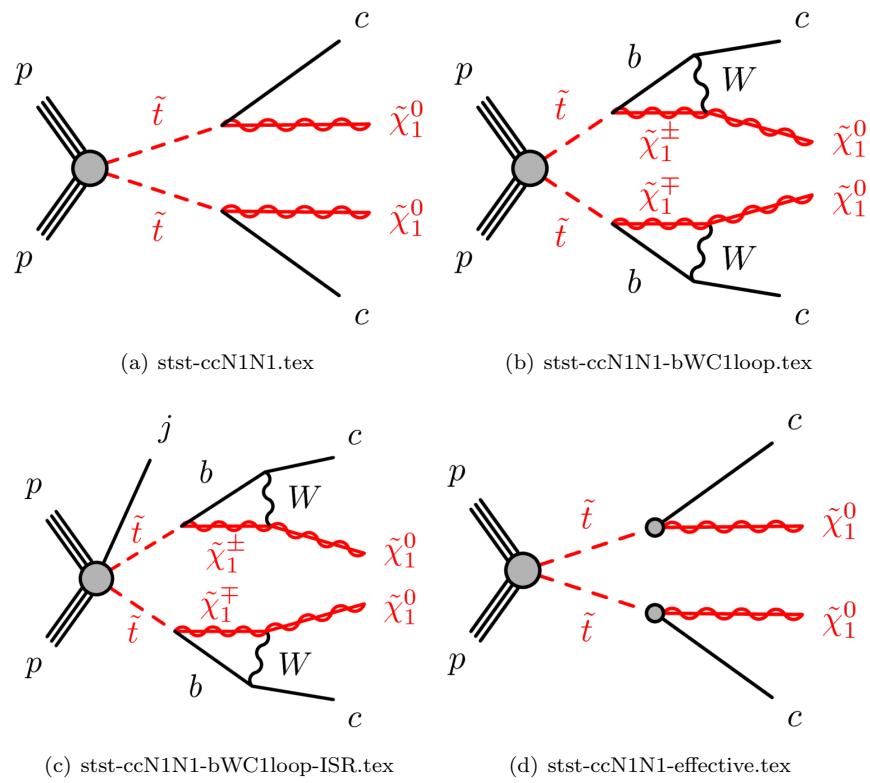


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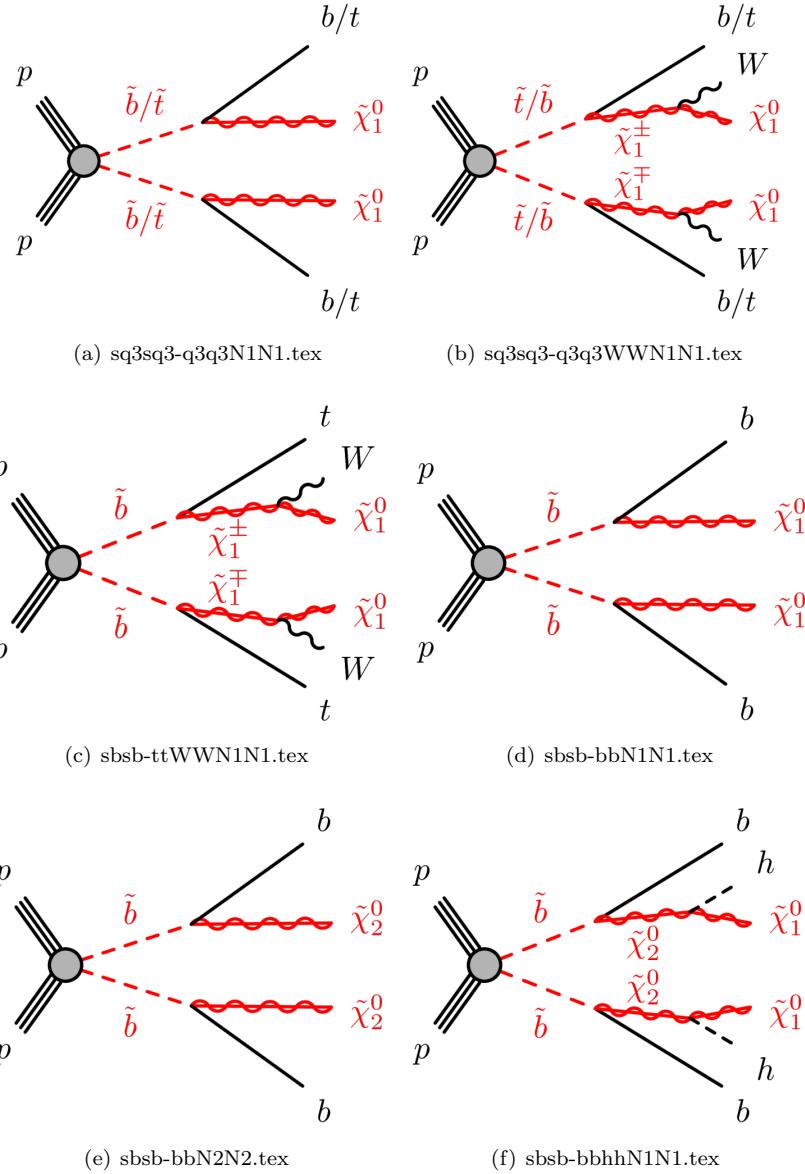


Figure 17:

4 Electroweak Production

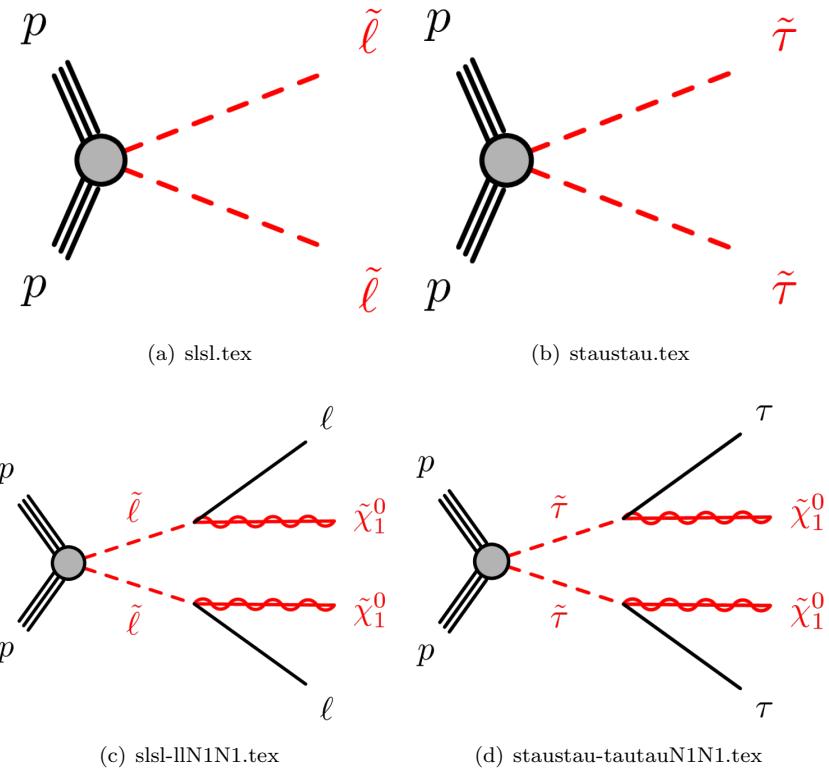


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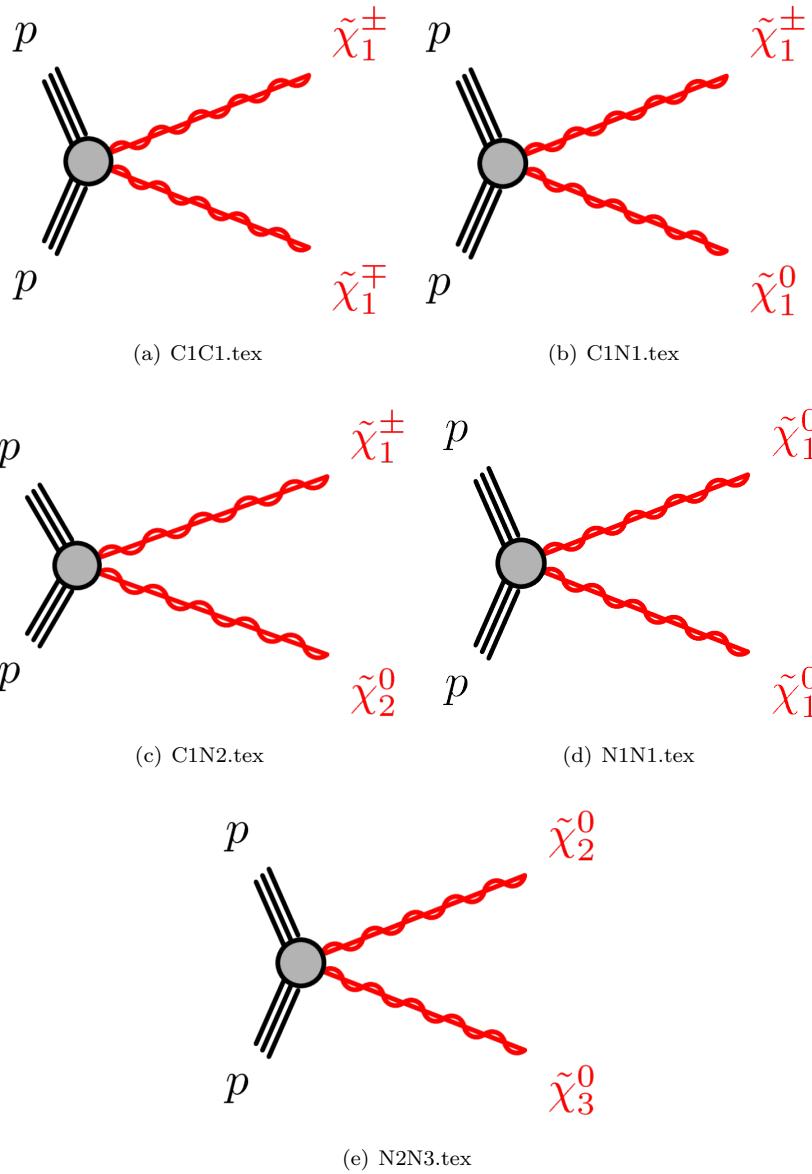


Figure 19:

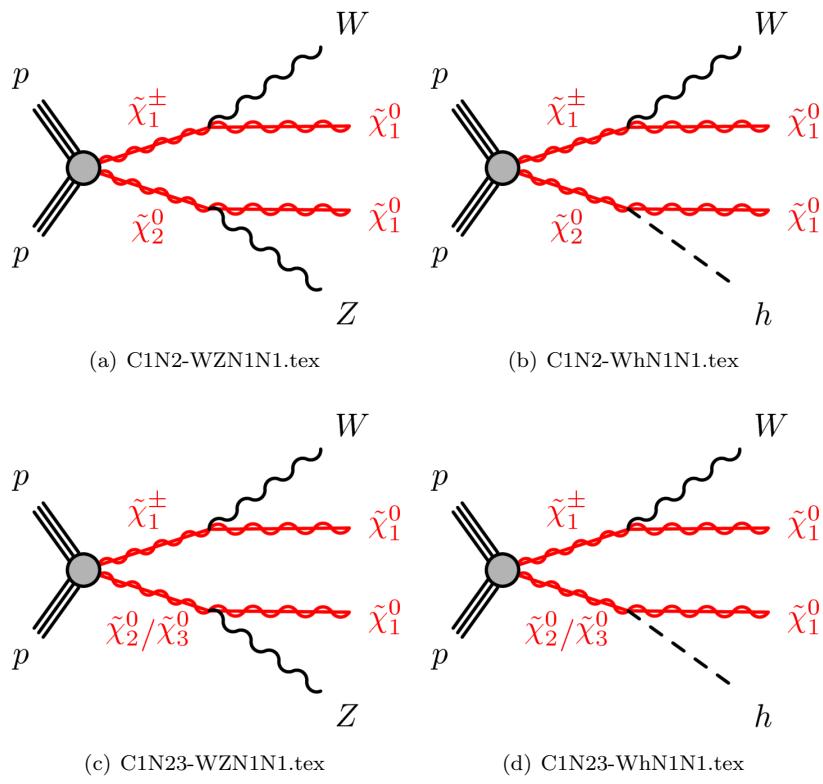


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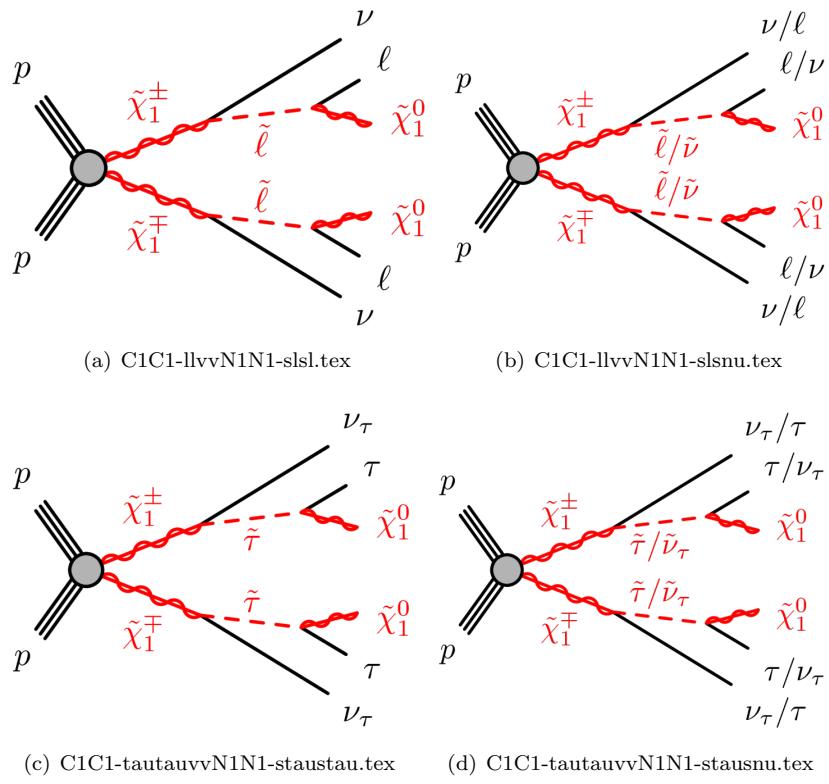


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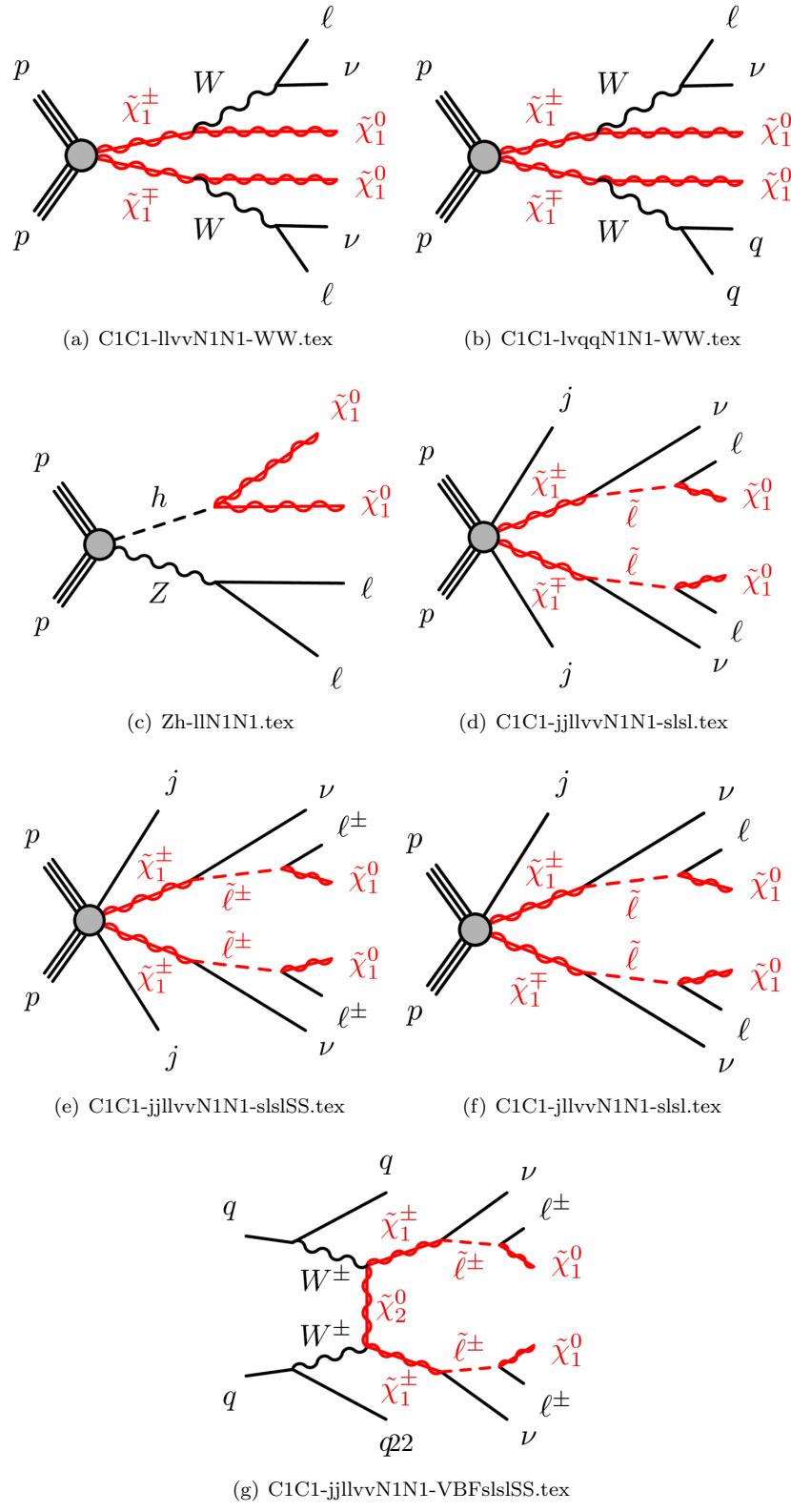


Figure 22:

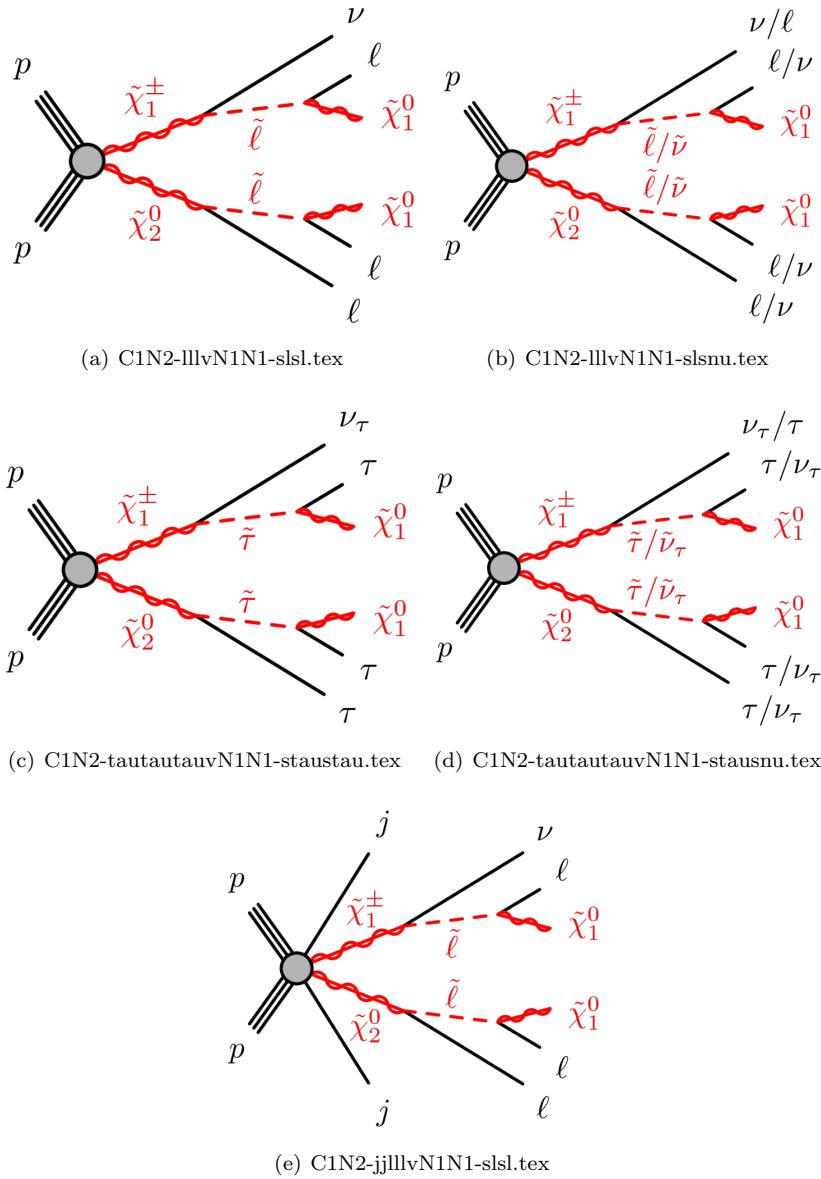


Figure 23:

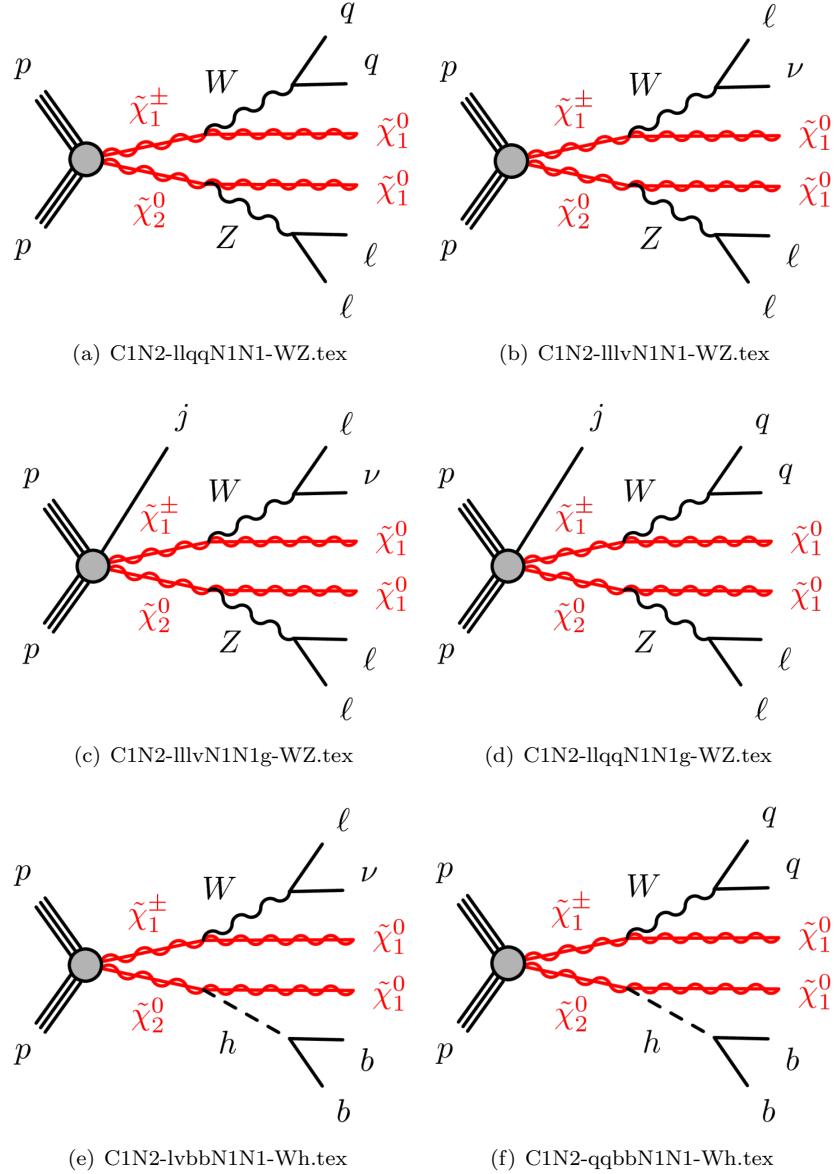


Figure 24:

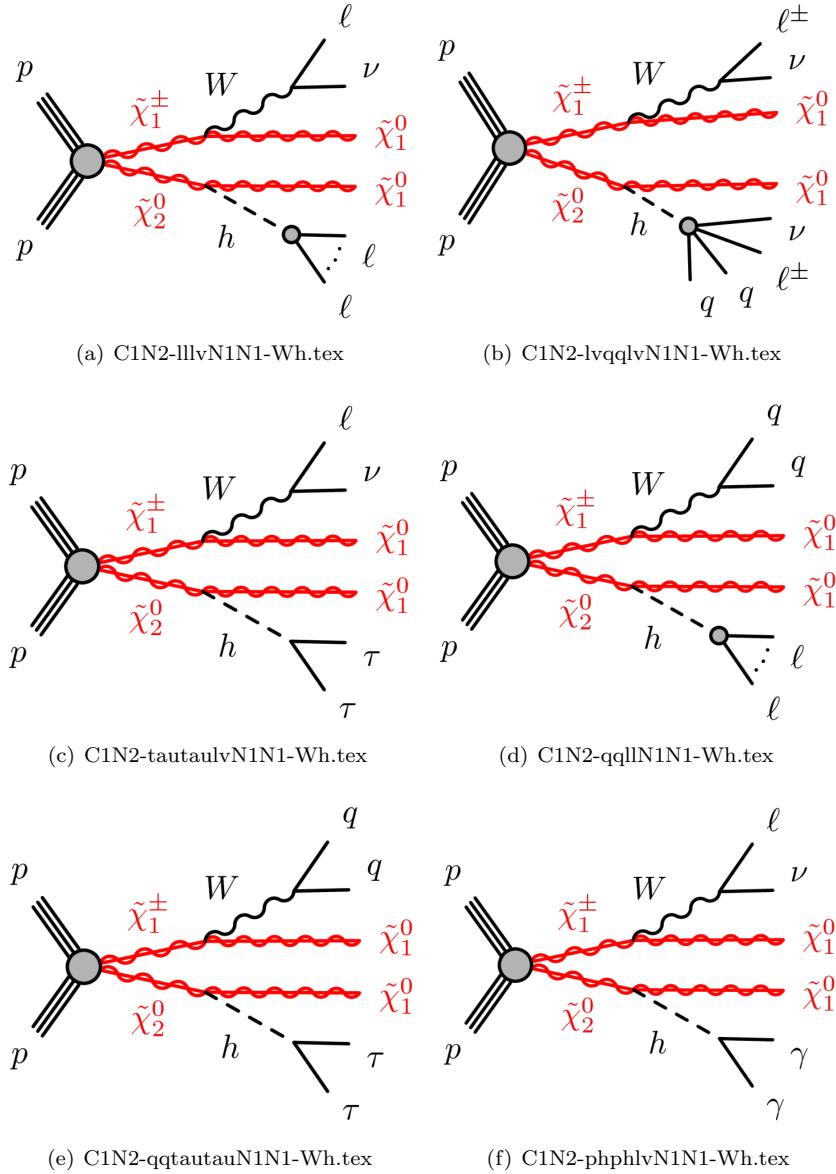


Figure 25:

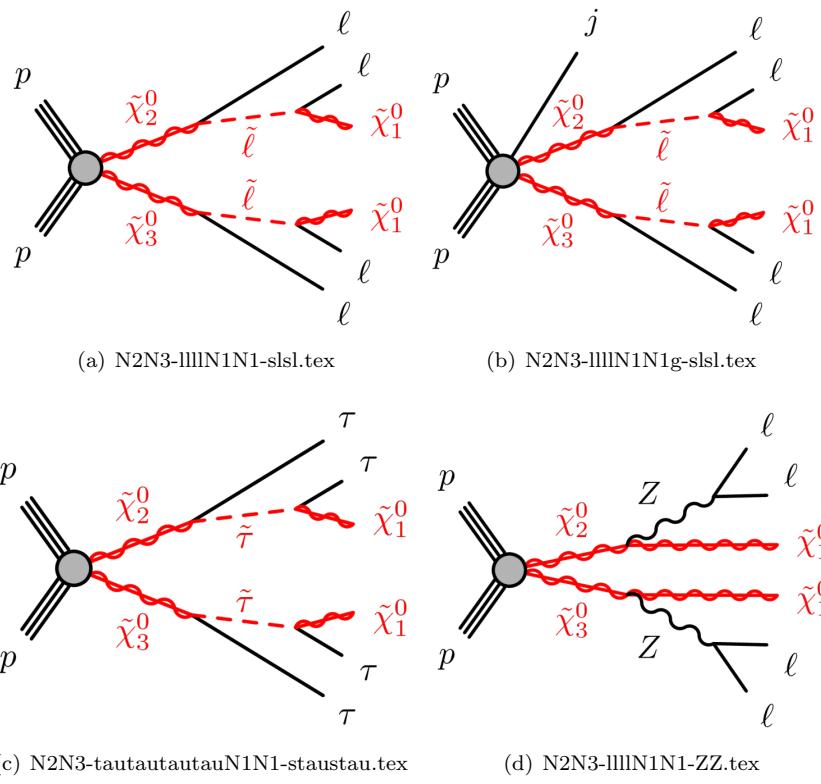


Figure 26:

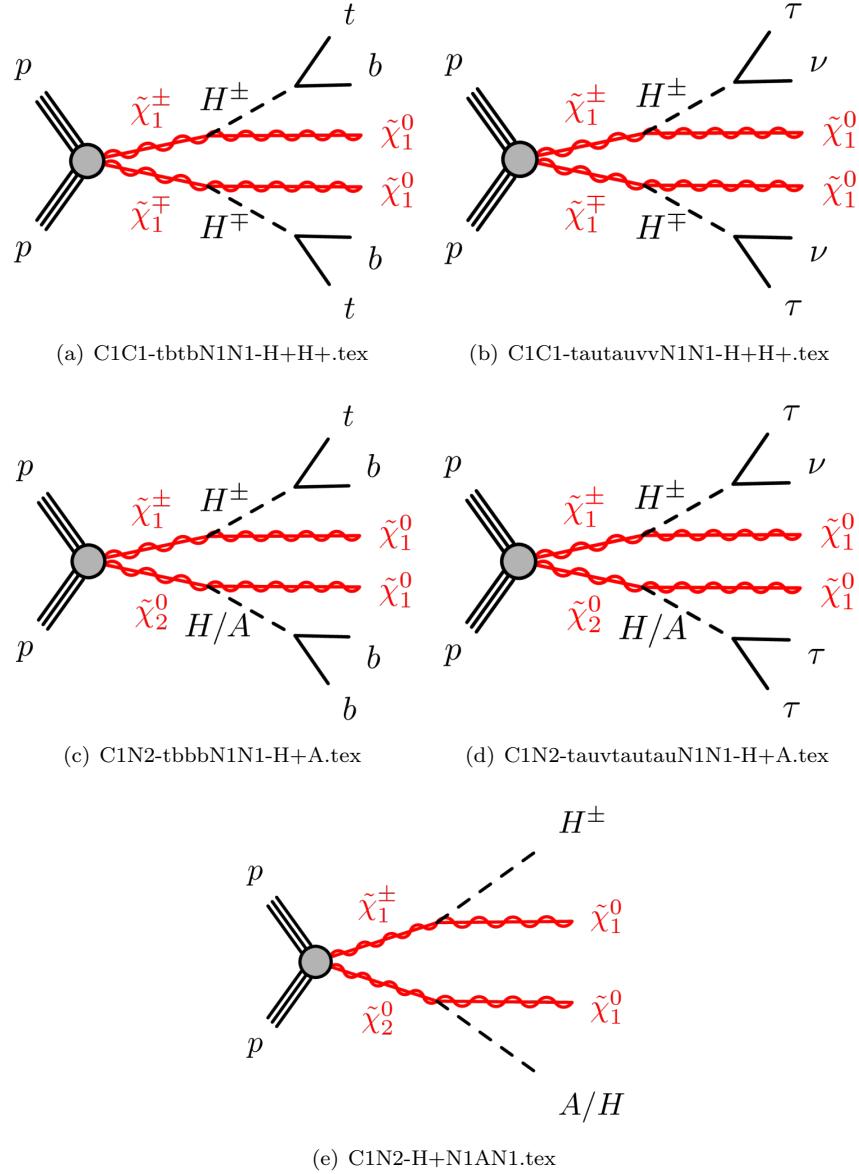


Figure 27:

5 GGM

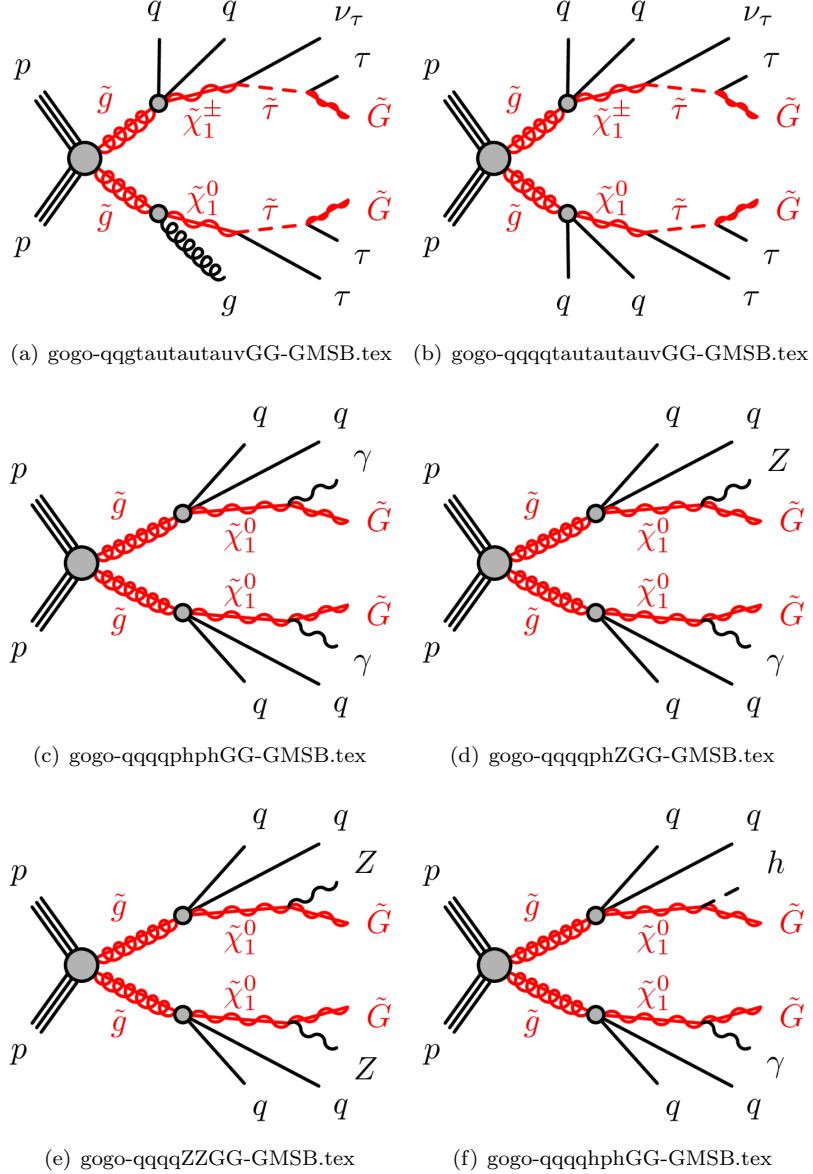


Figure 28:

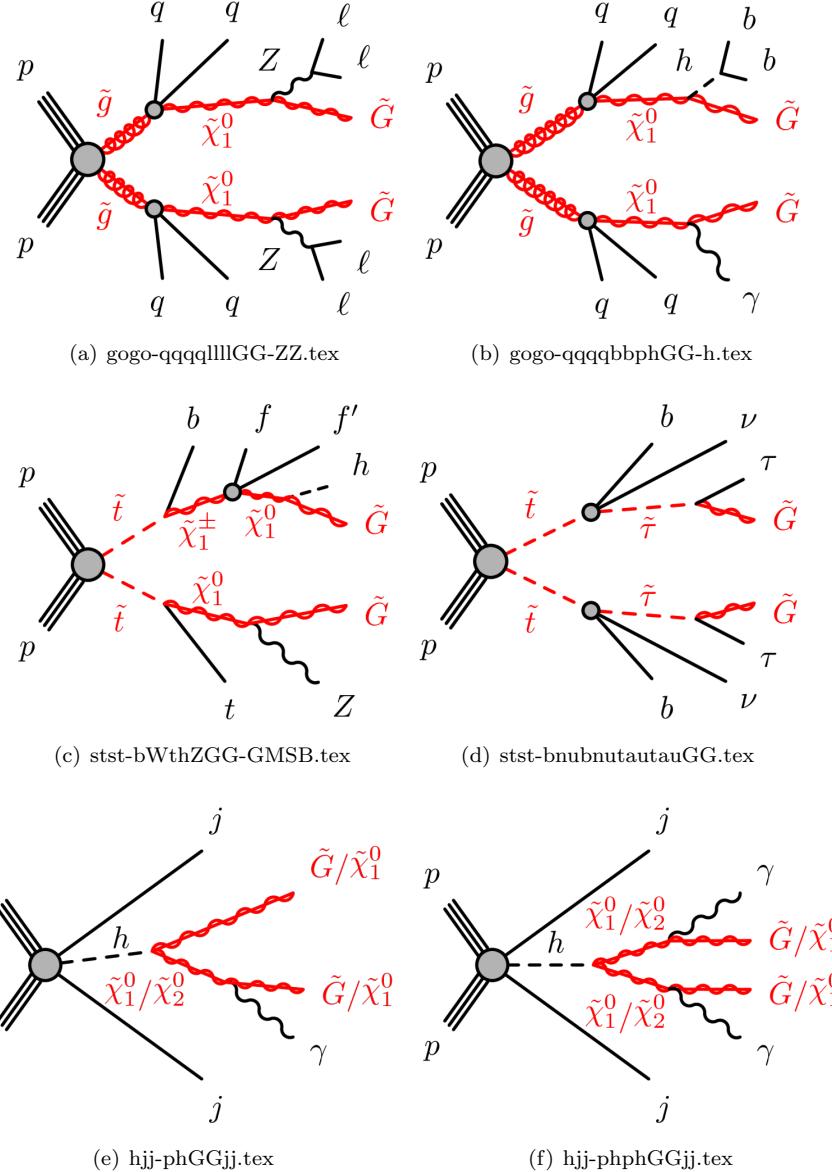


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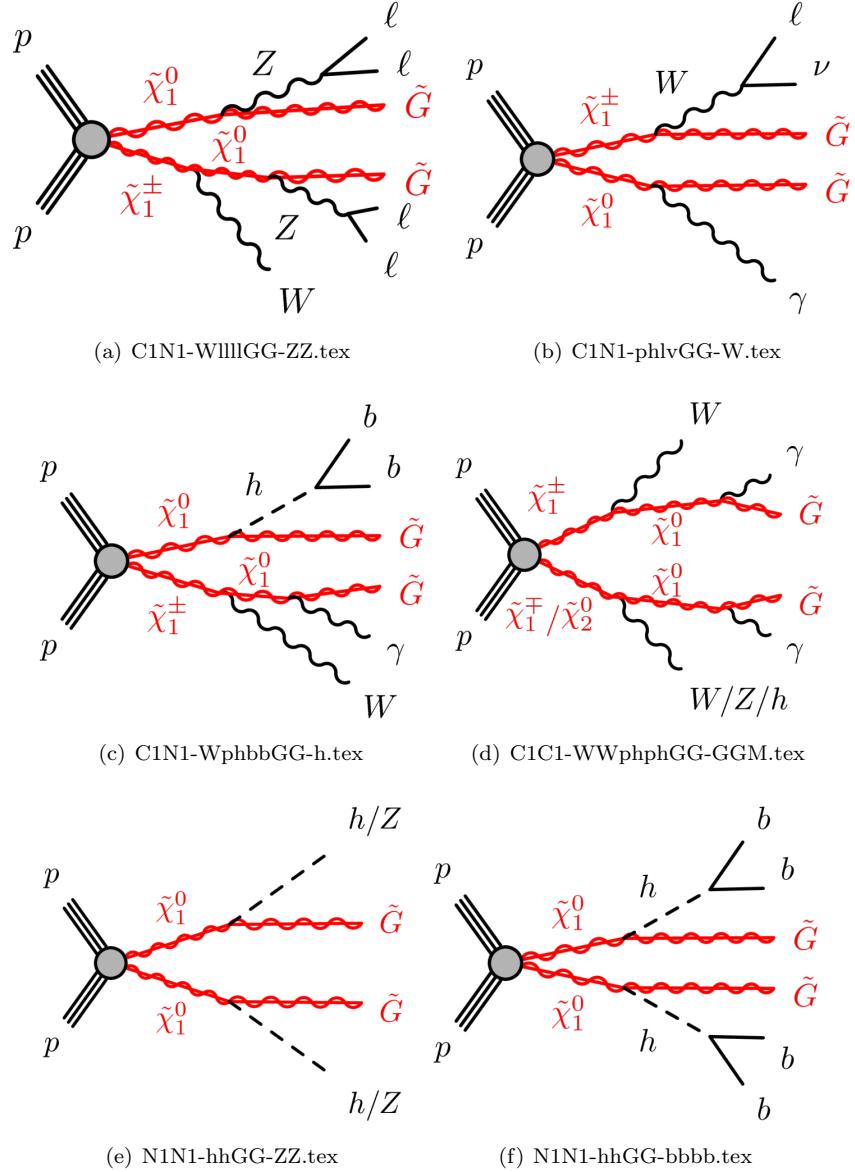


Figure 30:

6 RPV and Long-Lived Decays

6.1 AMSB

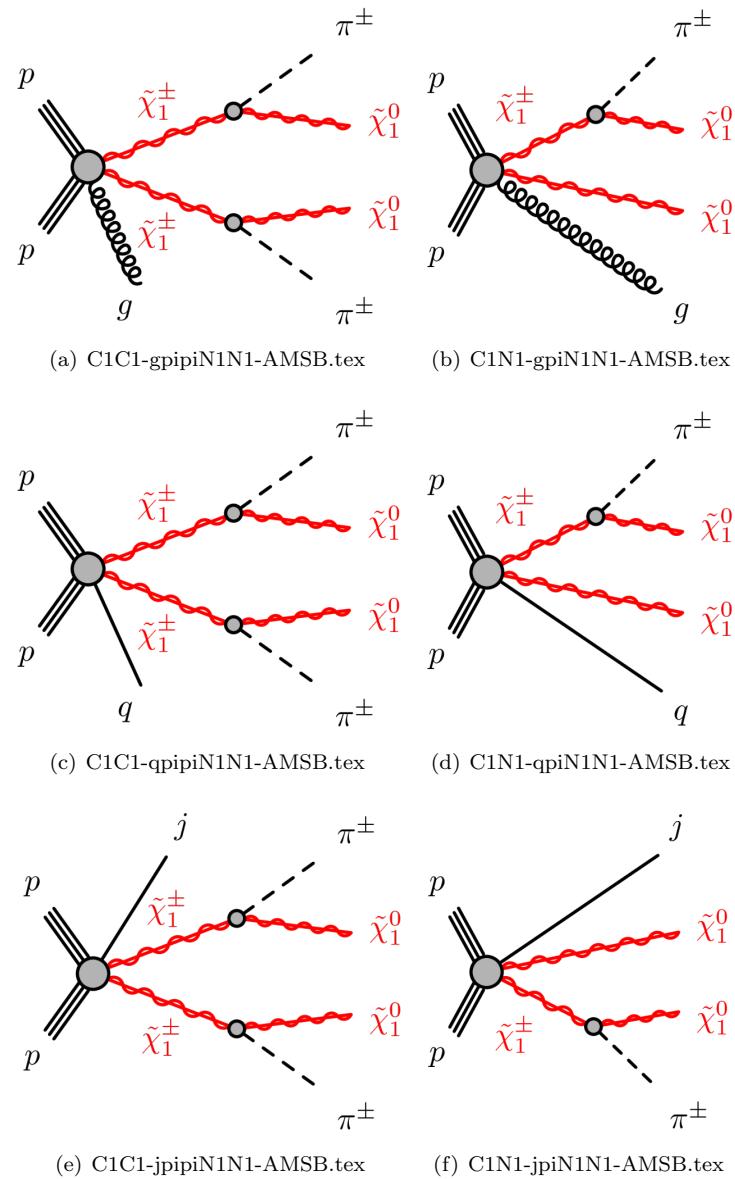
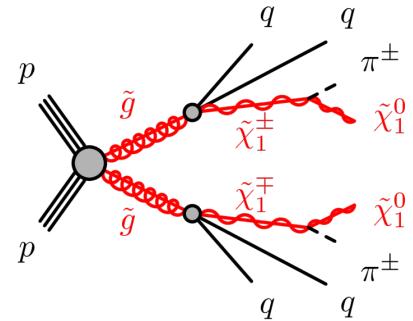


Figure 31:

6.2 Disappearing track search



(a) gogo-qqqqpipiN1N1.tex

Figure 32:

6.3 LLE Operator (λ)

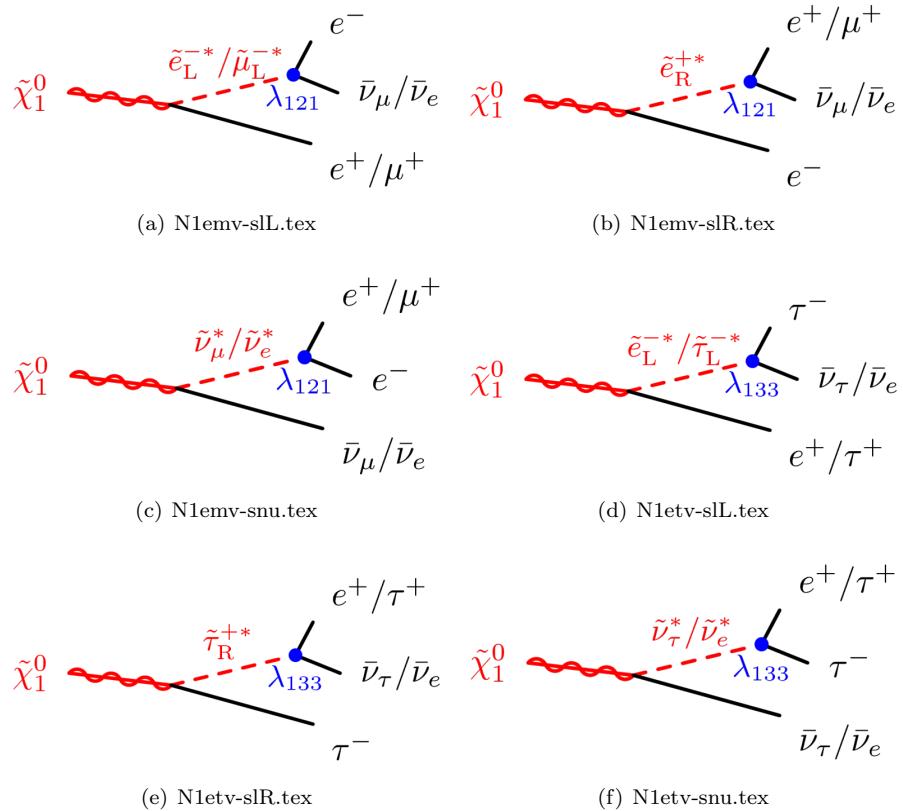


Figure 33:

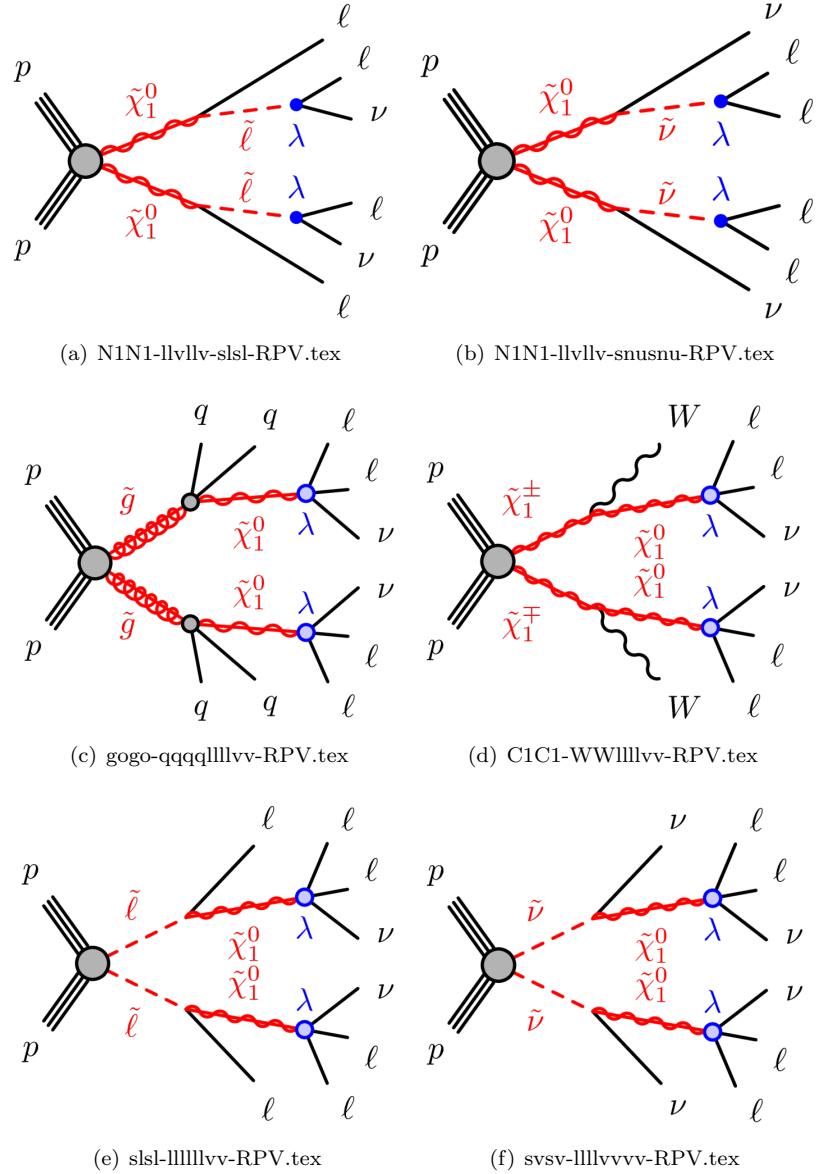


Figure 34:

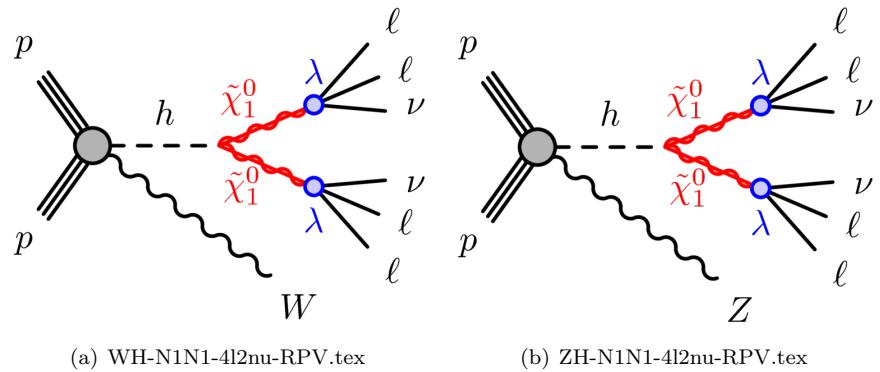
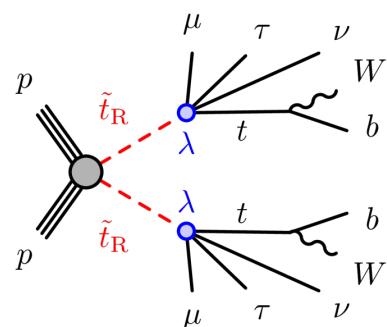


Figure 35:



(a) stst-ttmumutautauvv-RPV.tex

Figure 36:

6.4 LQD Operator (λ')

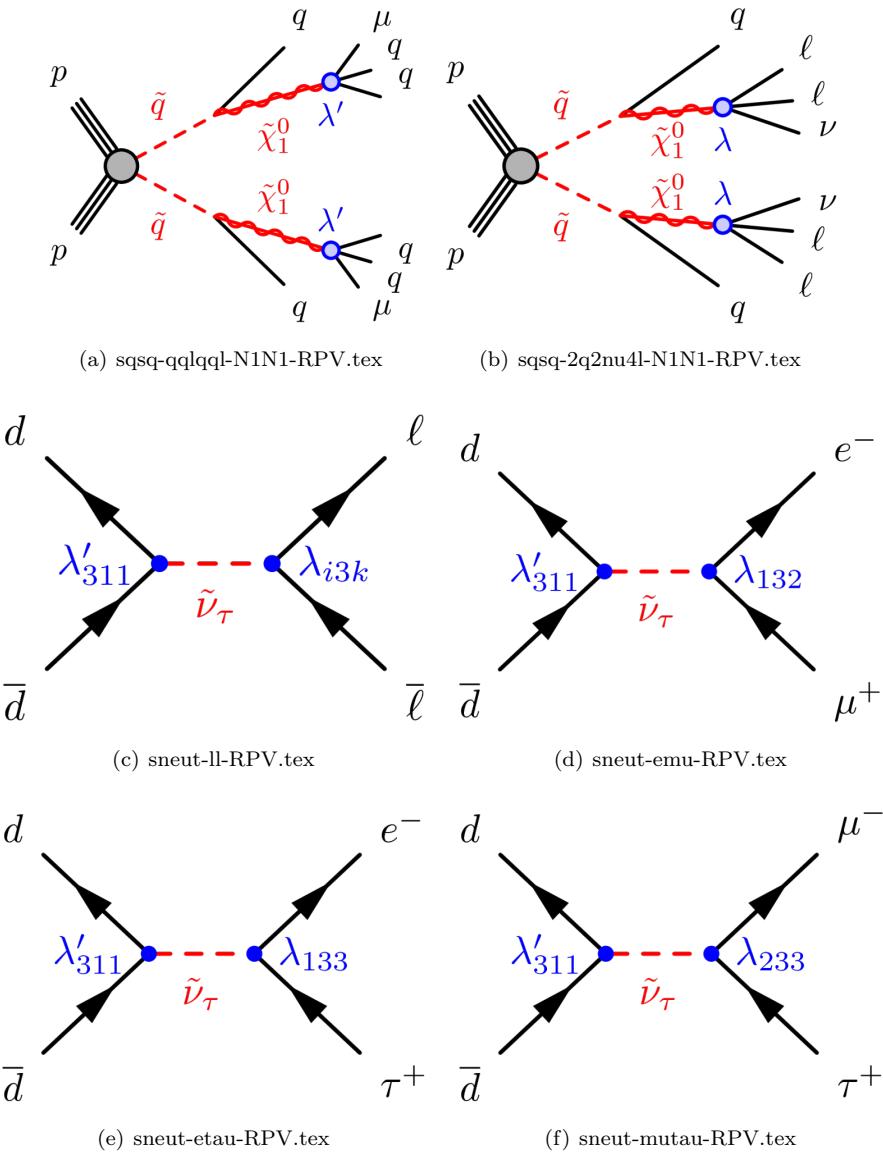


Figure 37:

6.5 UDD Operator (λ'')

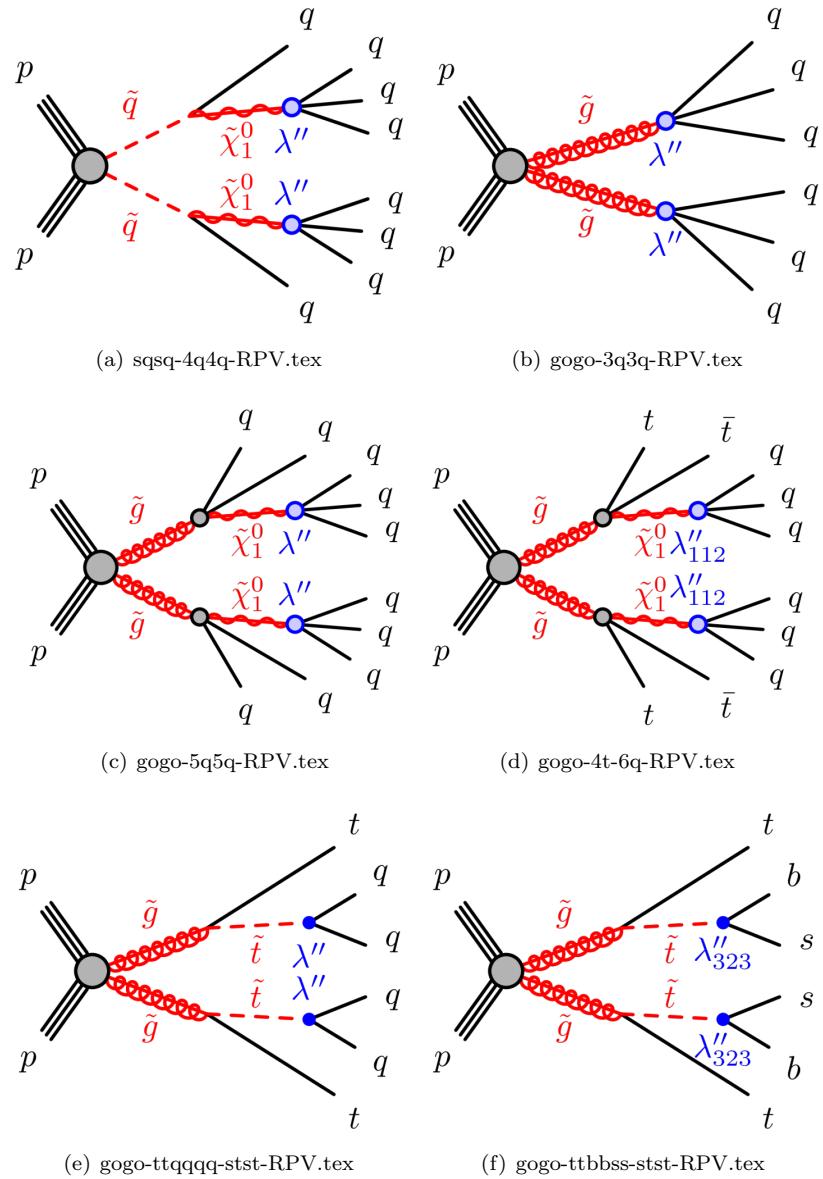


Figure 38:

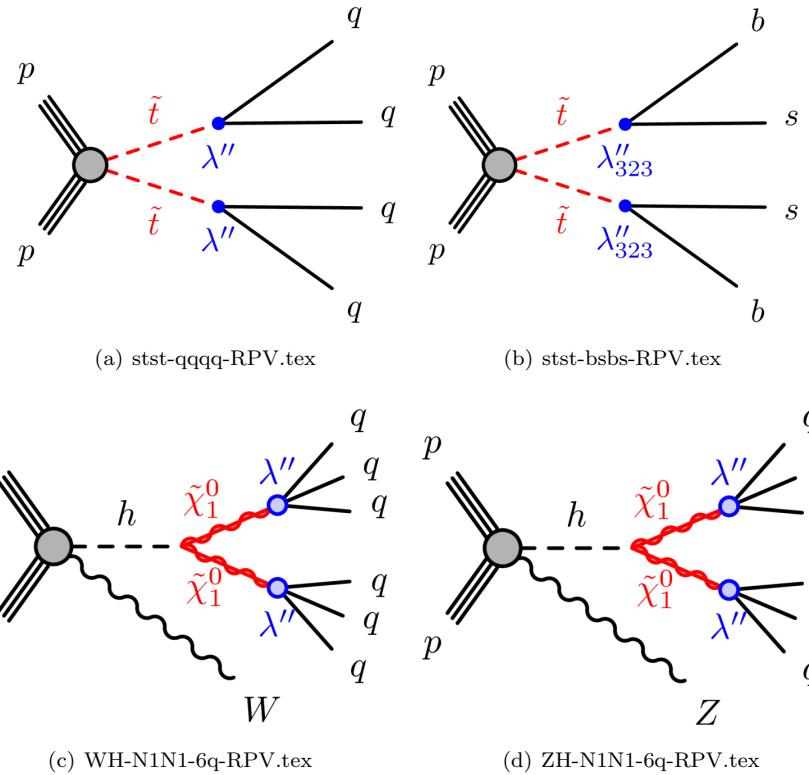


Figure 39:

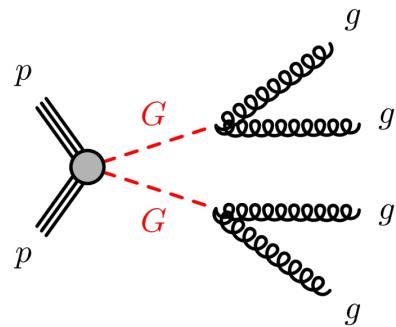


Figure 40:

6.6 R-hadron searches

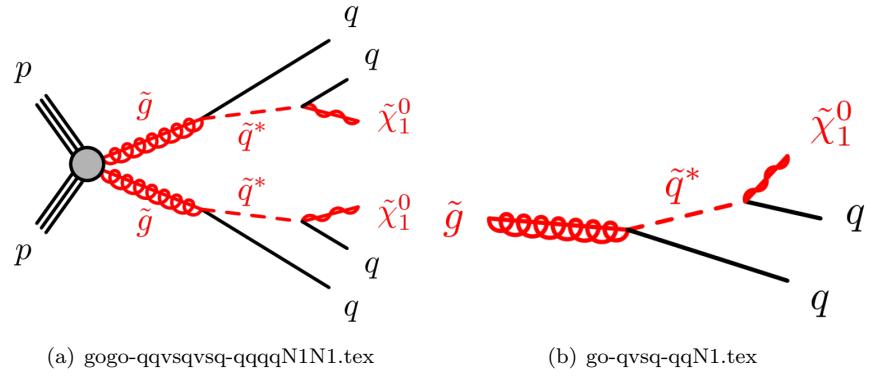


Figure 41: