

Feynman Diagrams

ATLAS SUSY Group

December 24, 2015

Contents

1	Interactions	2
2	Squark and Gluino Production	3
3	Third Generation	10
4	Electroweak Production	16
5	GGM	26
6	RPV and Long-Lived Decays	29
6.1	AMSB	29
6.2	LLE Operator (λ)	30
6.3	LQD Operator (λ')	33
6.4	UDD Operator (λ'')	34

SUSY Template

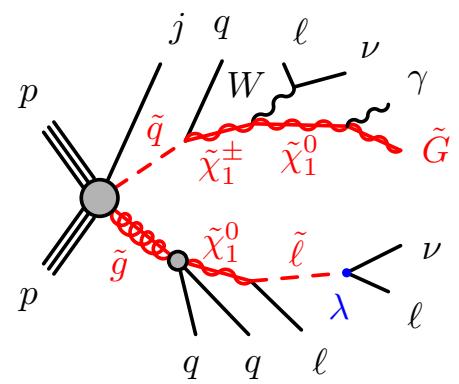


Figure 1: ATLAS-SUSY.tex

1 Interactions

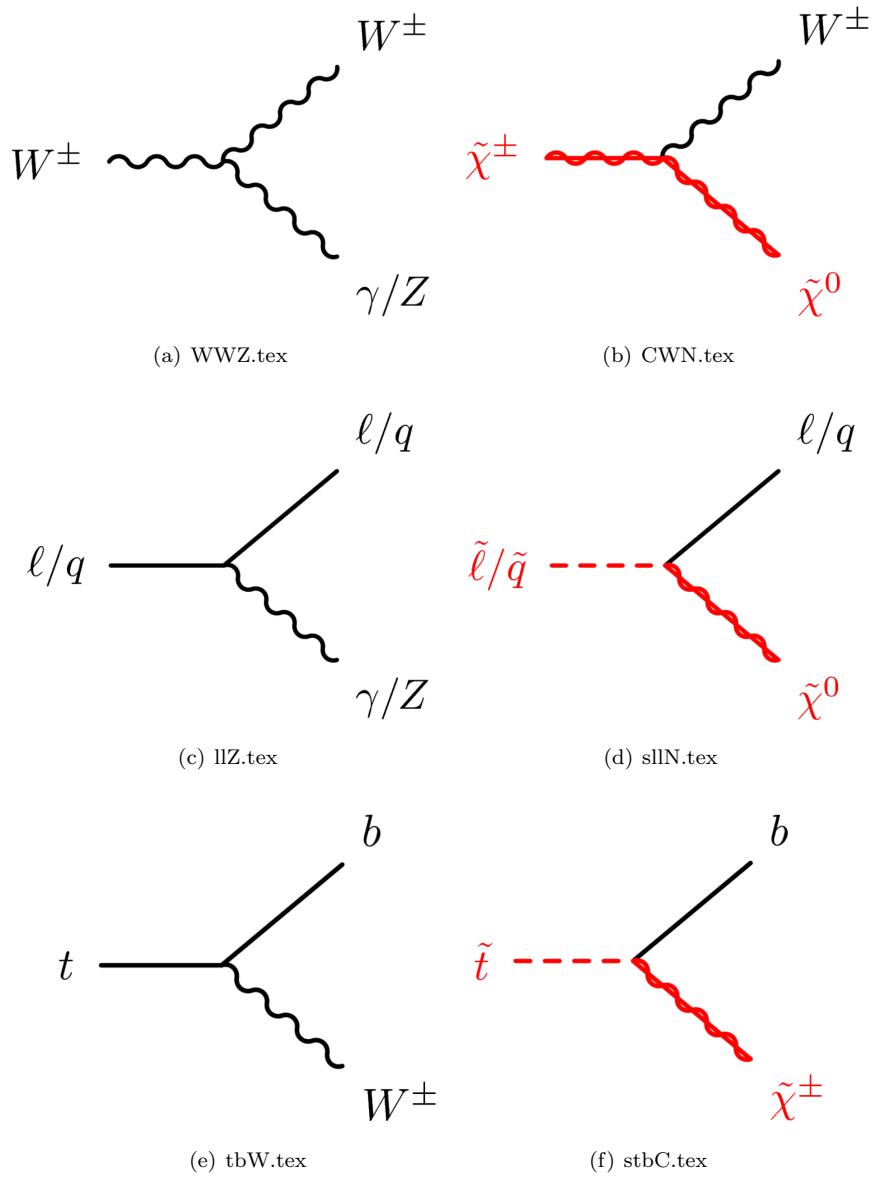


Figure 2:

2 Squark and Gluino Production

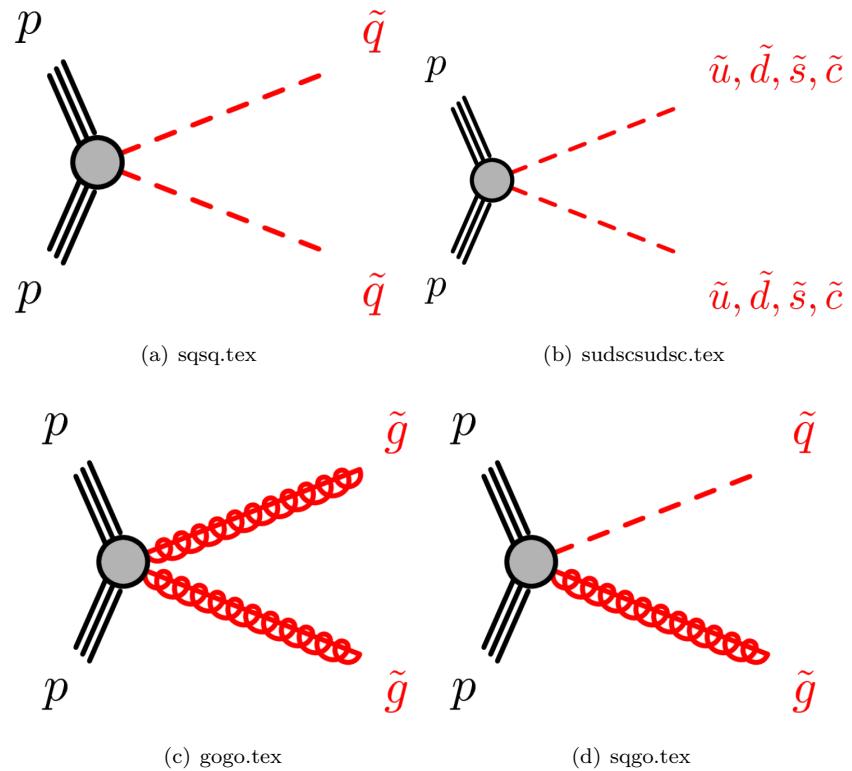


Figure 3:

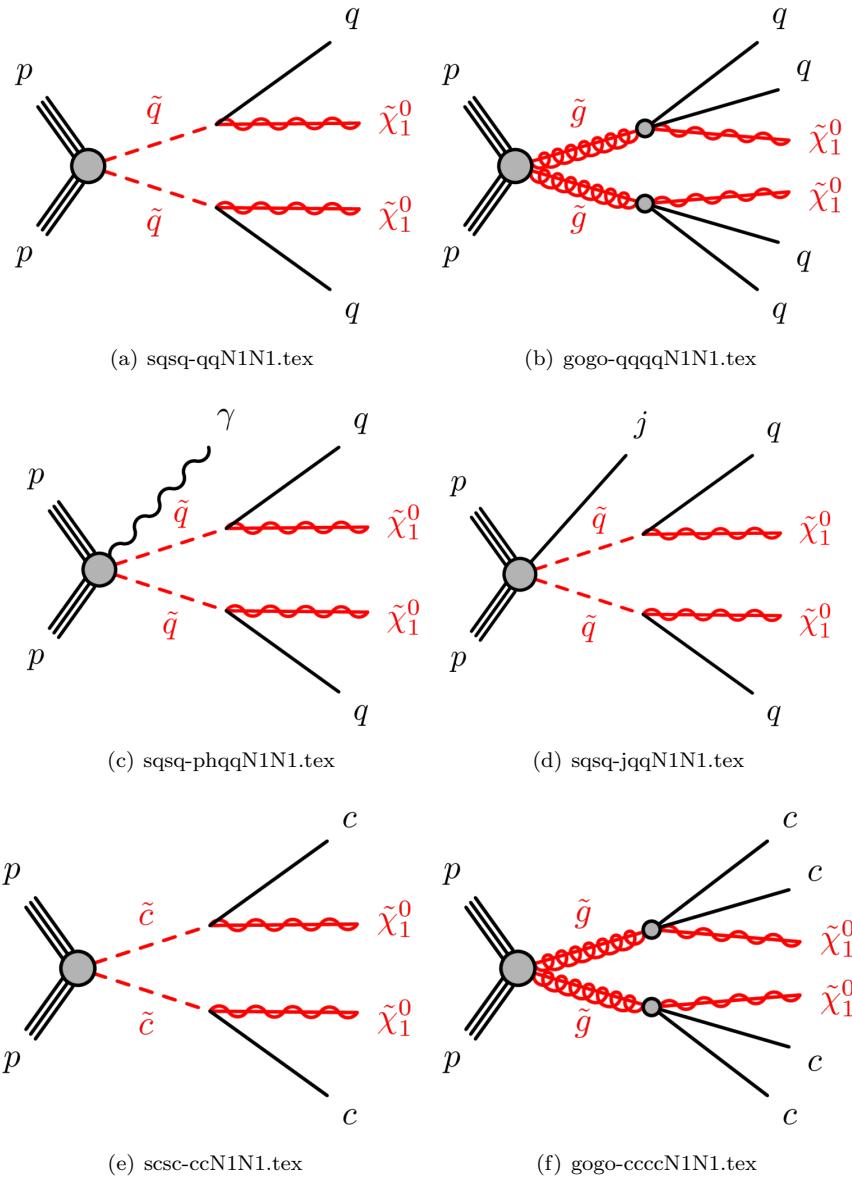


Figure 4:

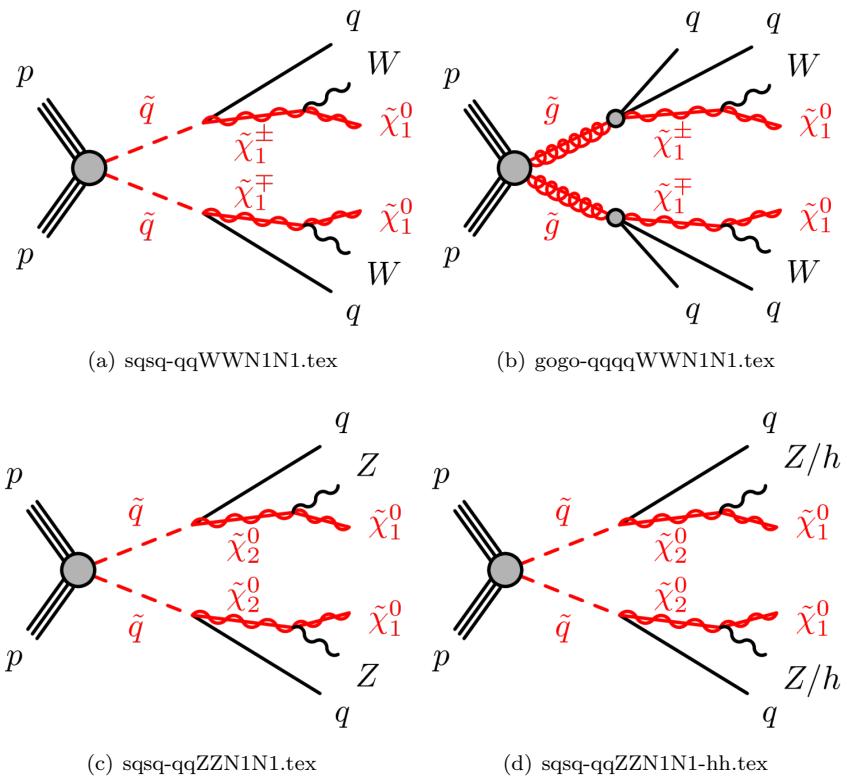


Figure 5:

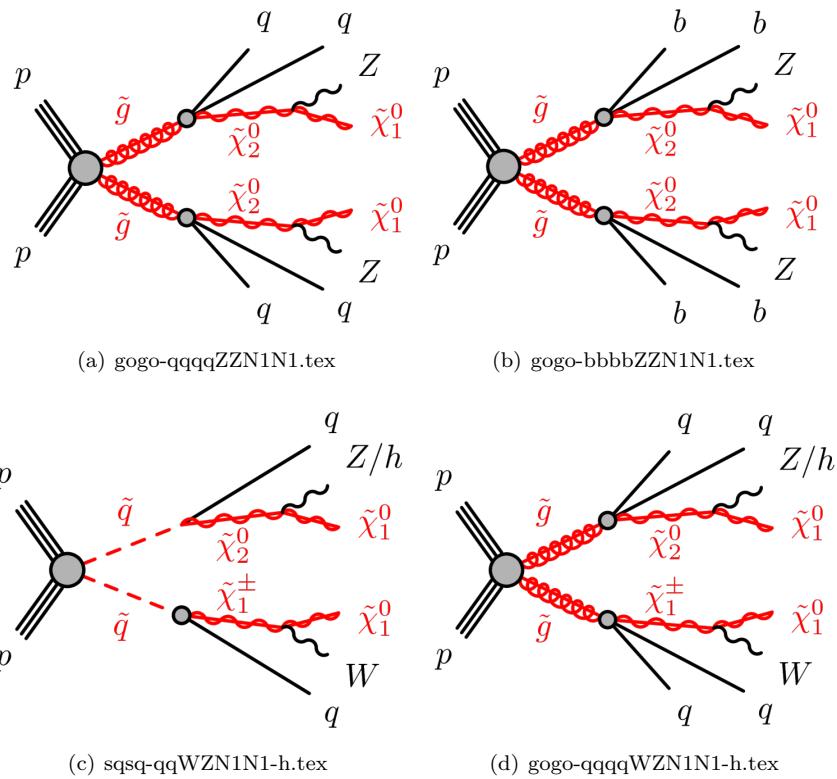


Figure 6:

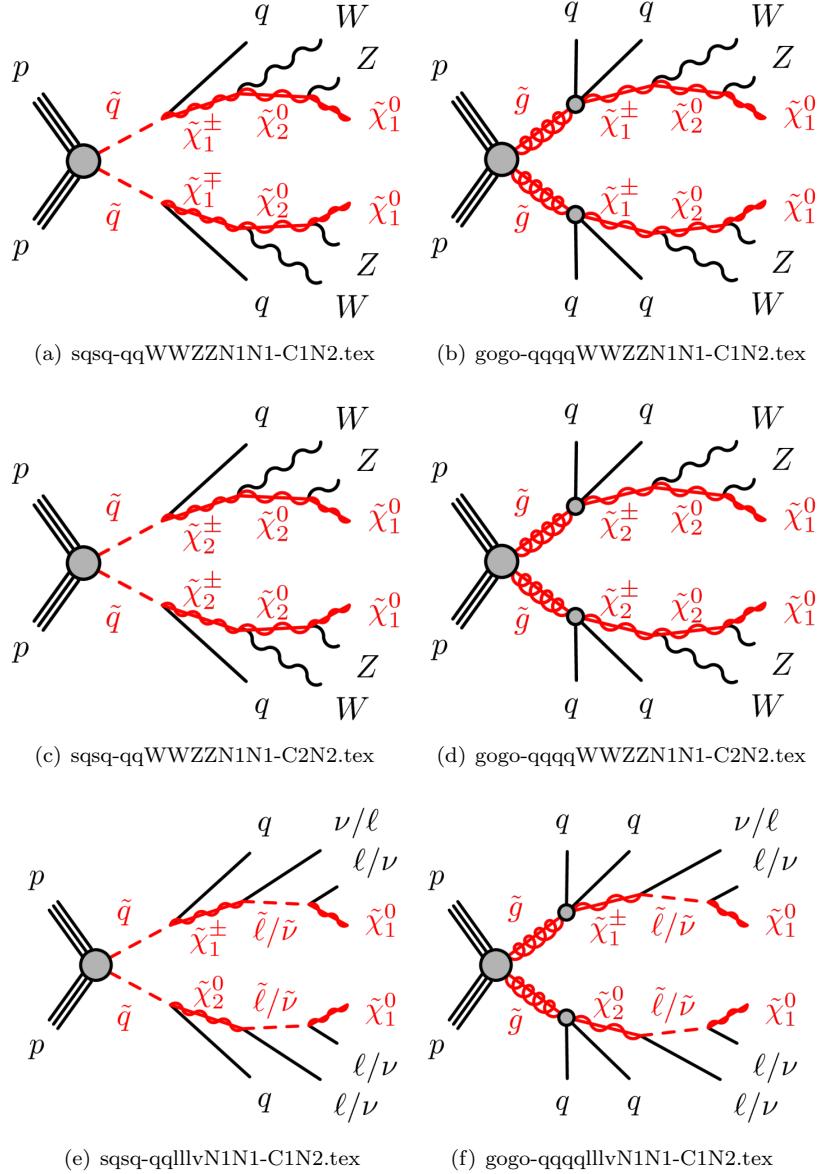


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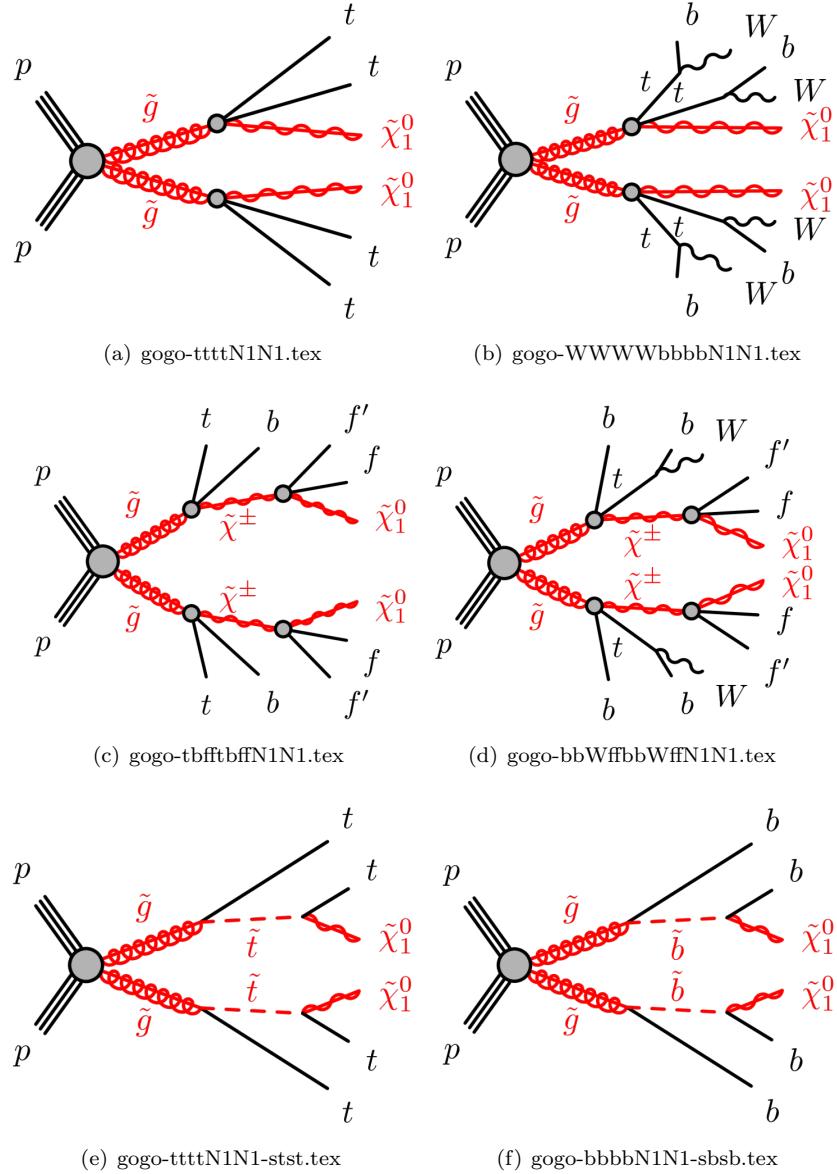


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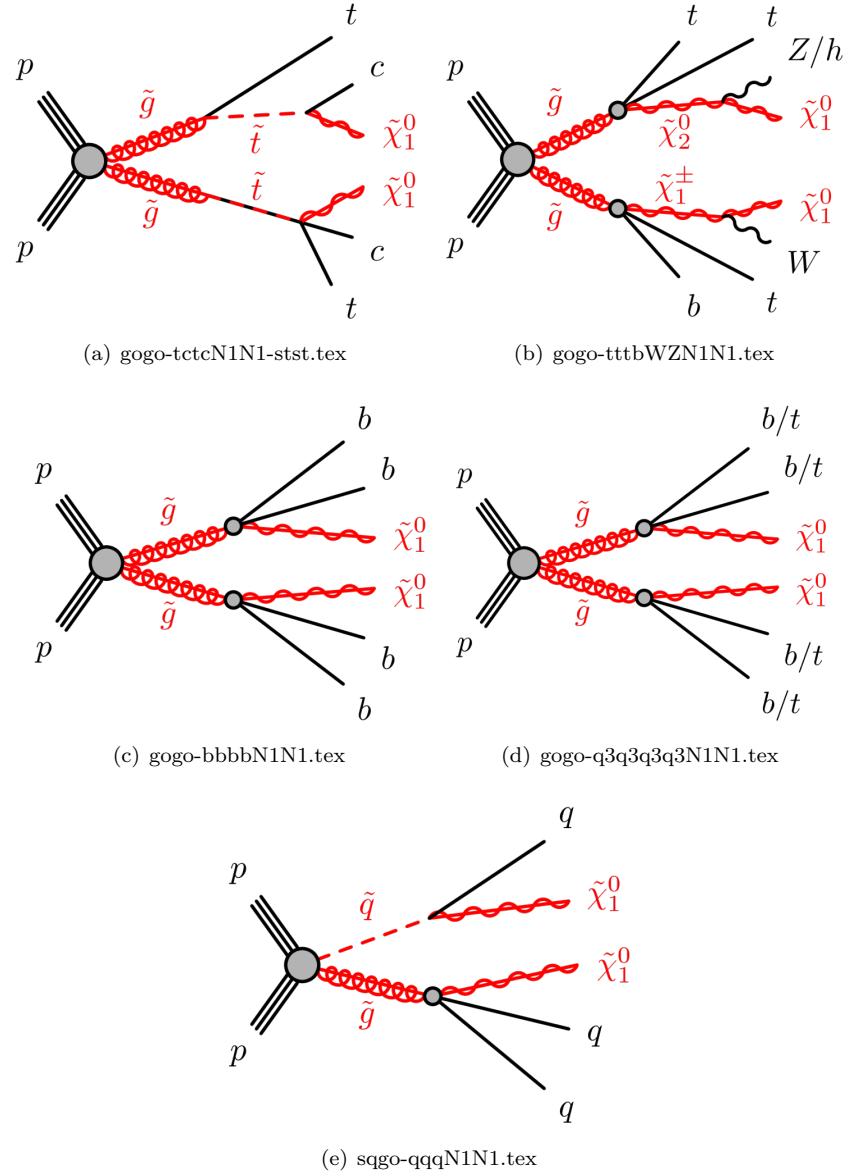


Figure 9:

3 Third Generation

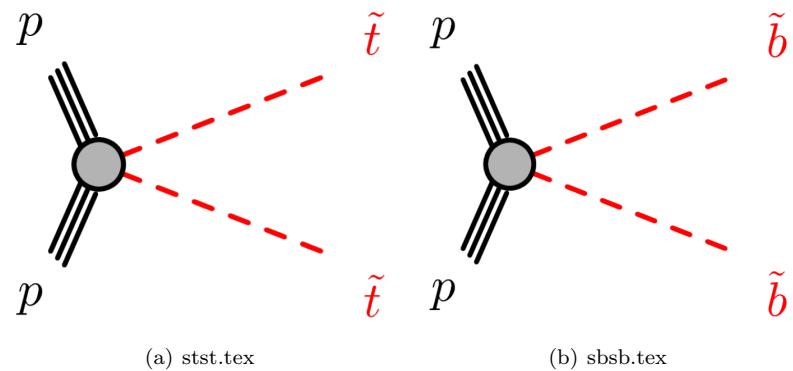


Figure 10:

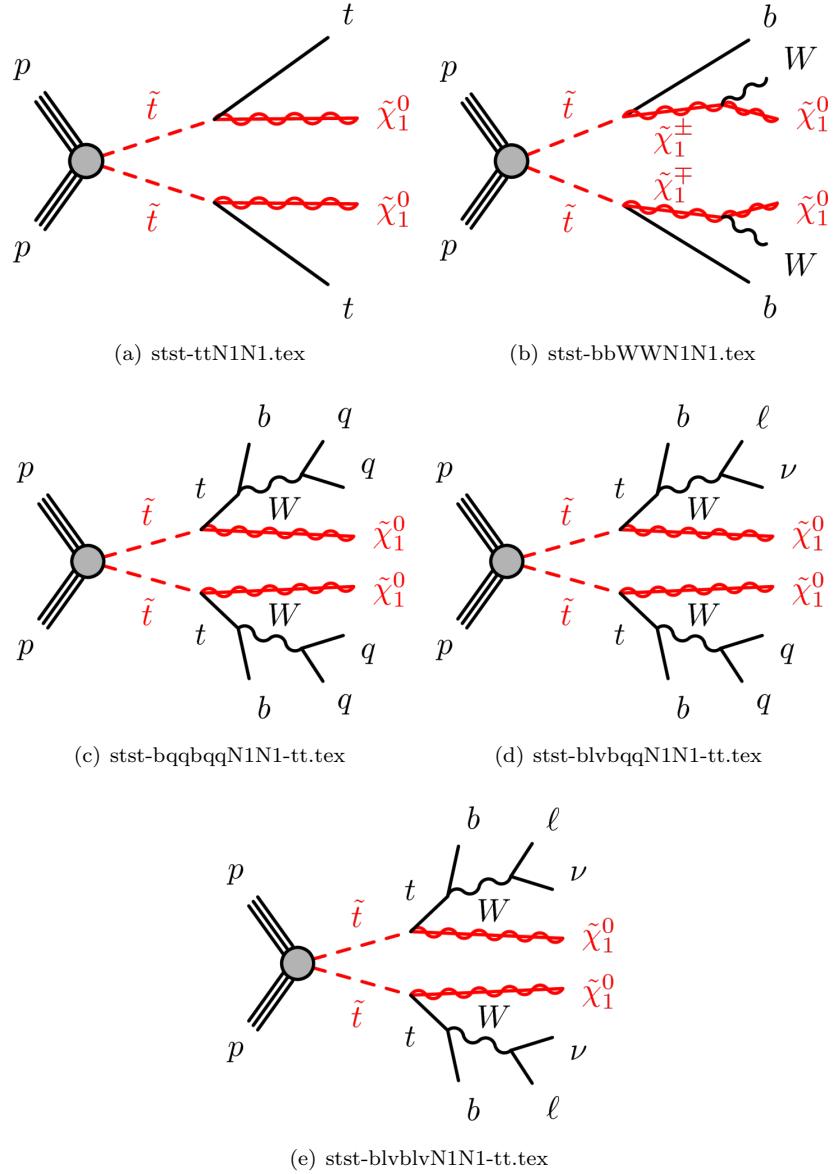


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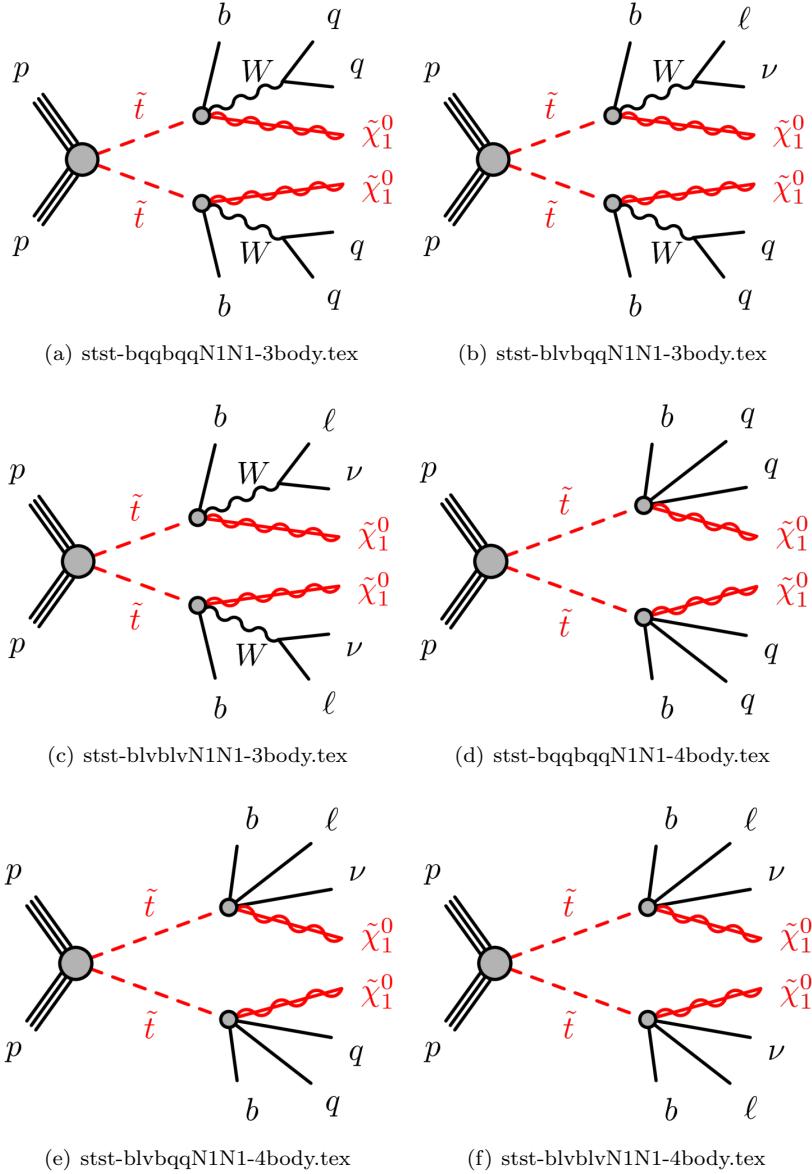


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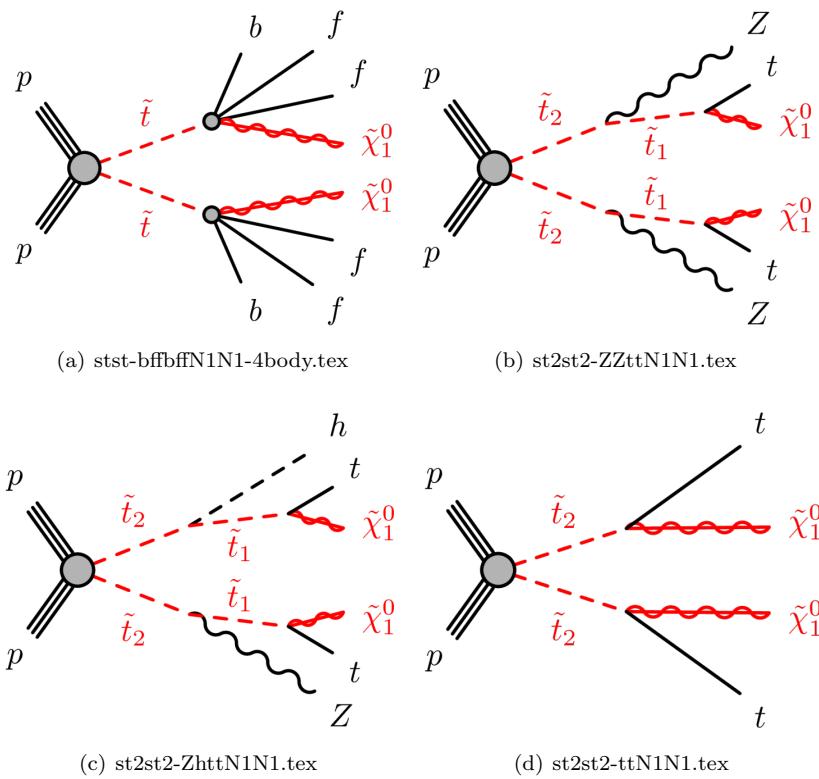


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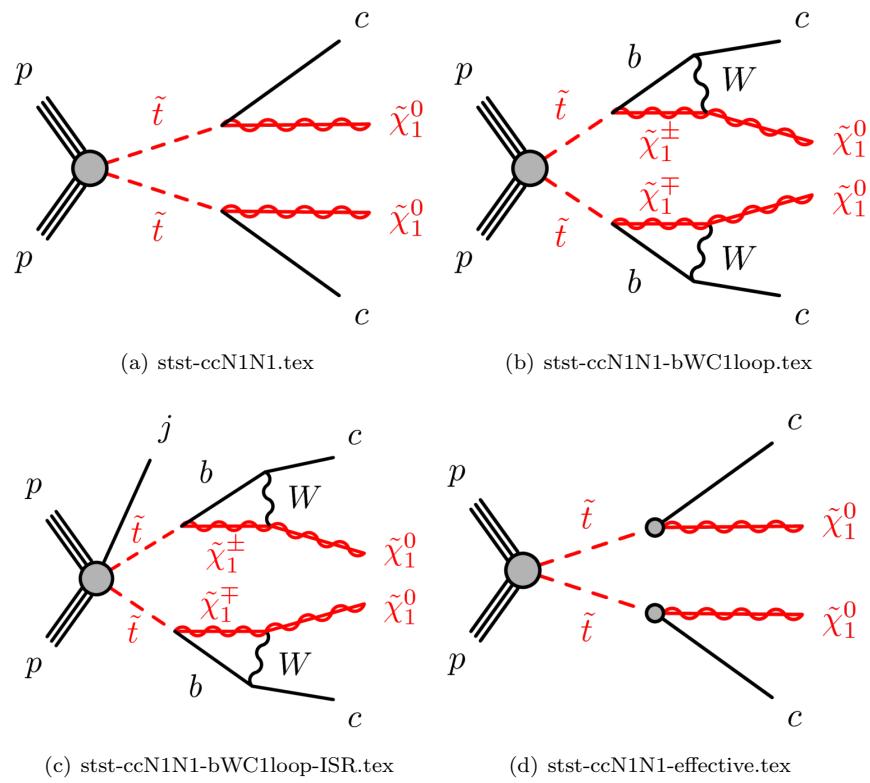


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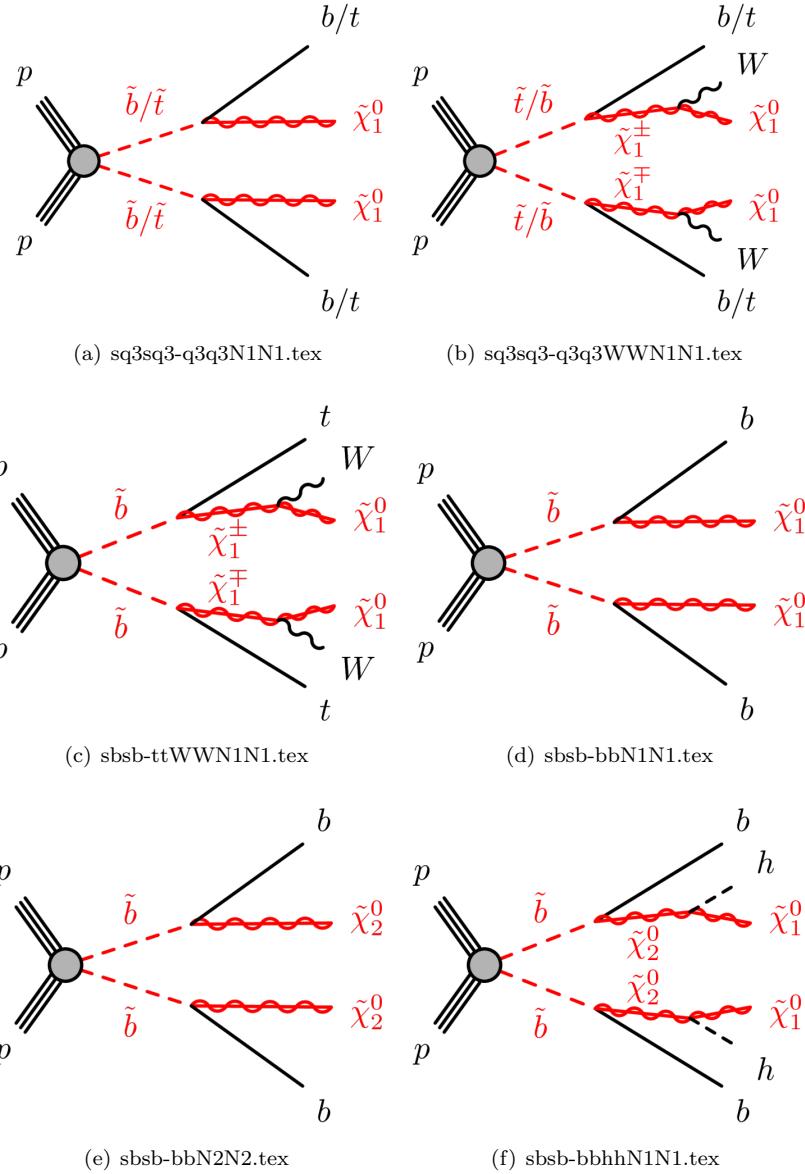


Figure 15:

4 Electroweak Production

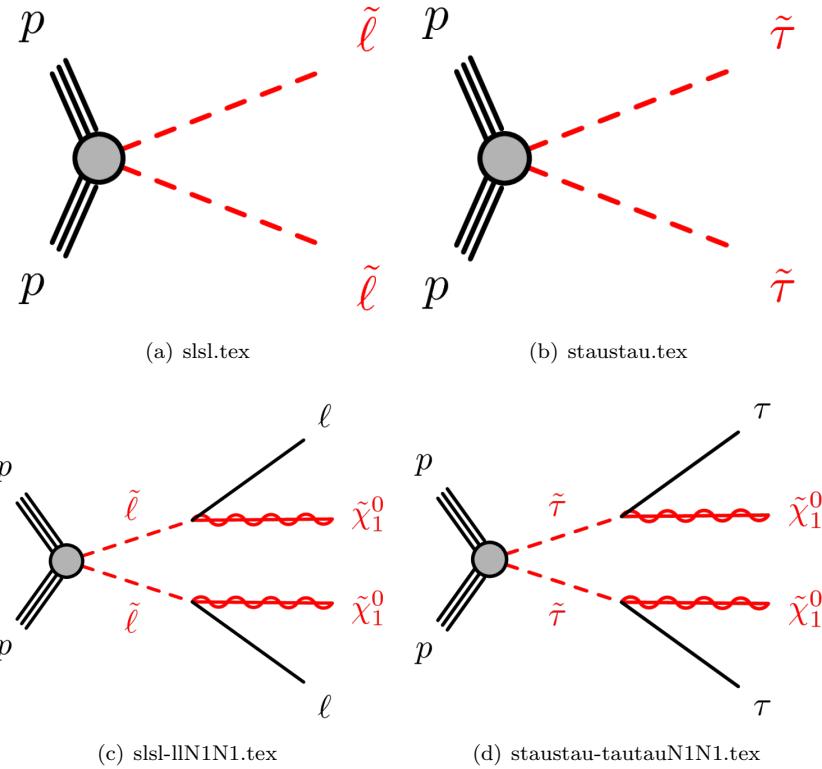


Figure 16:

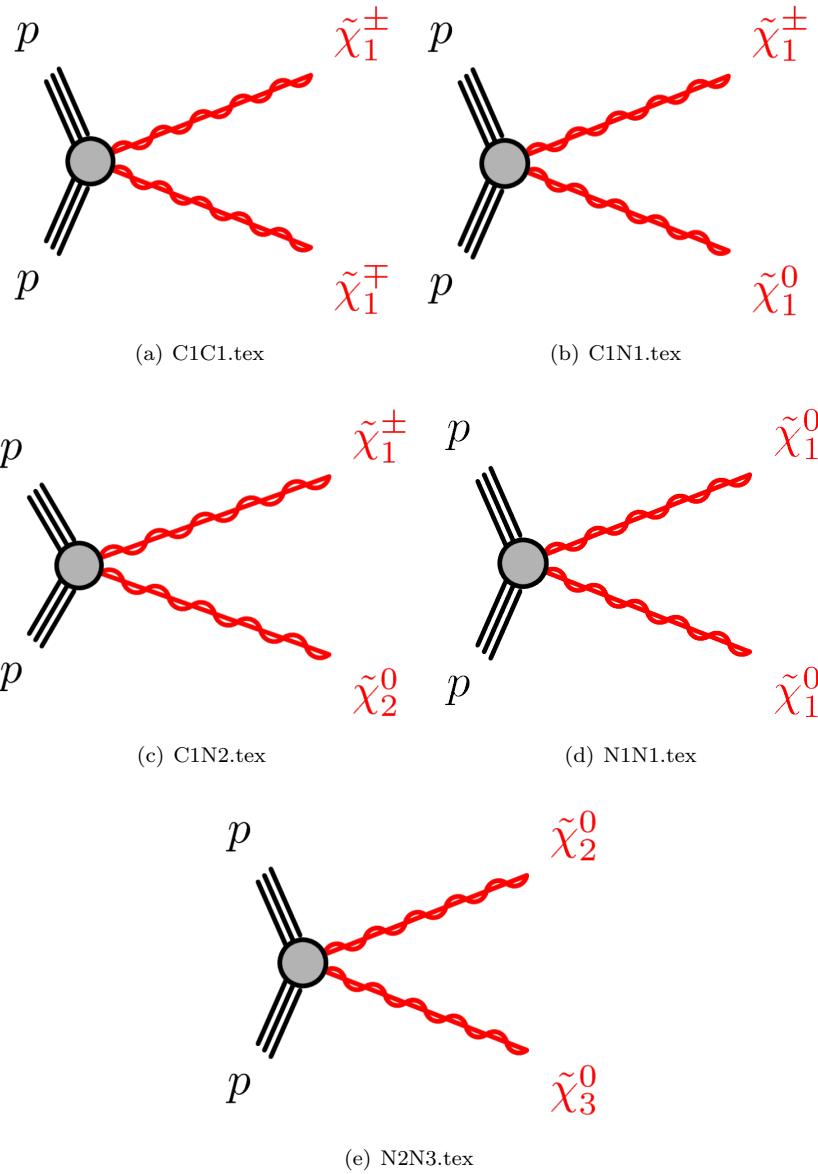


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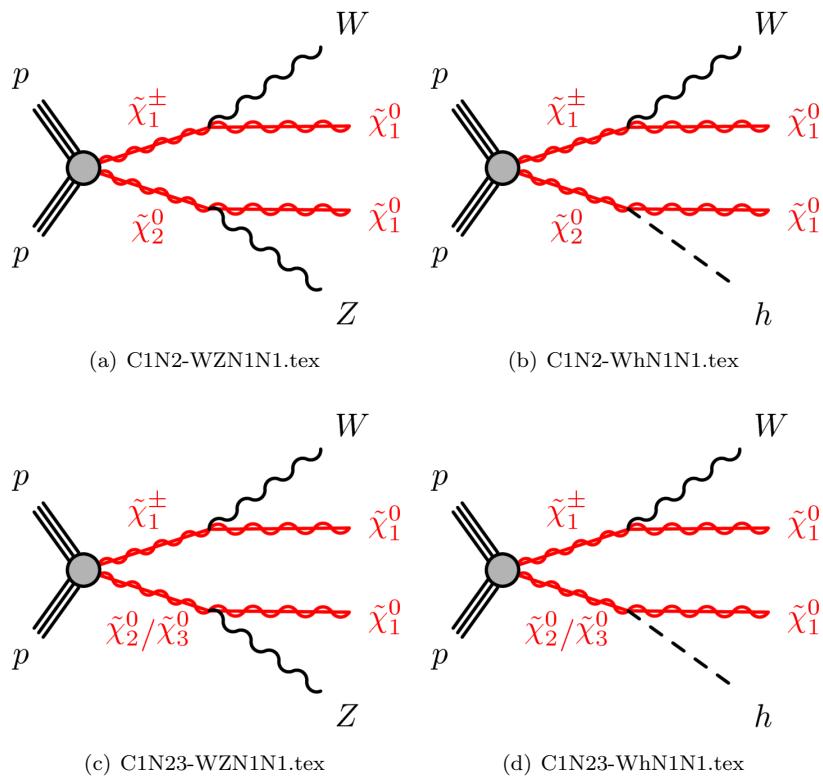


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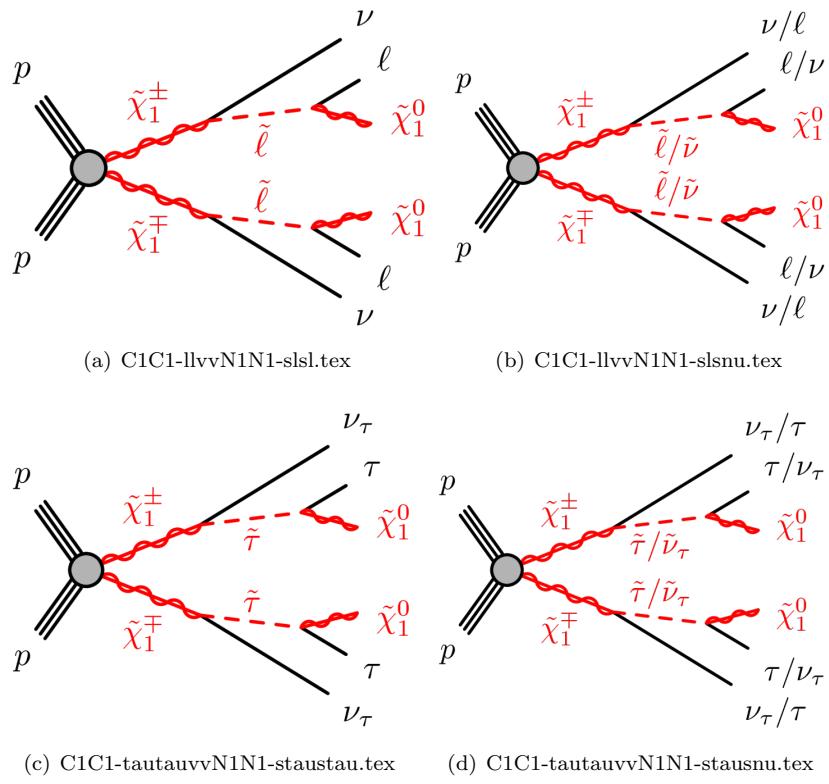


Figure 19:

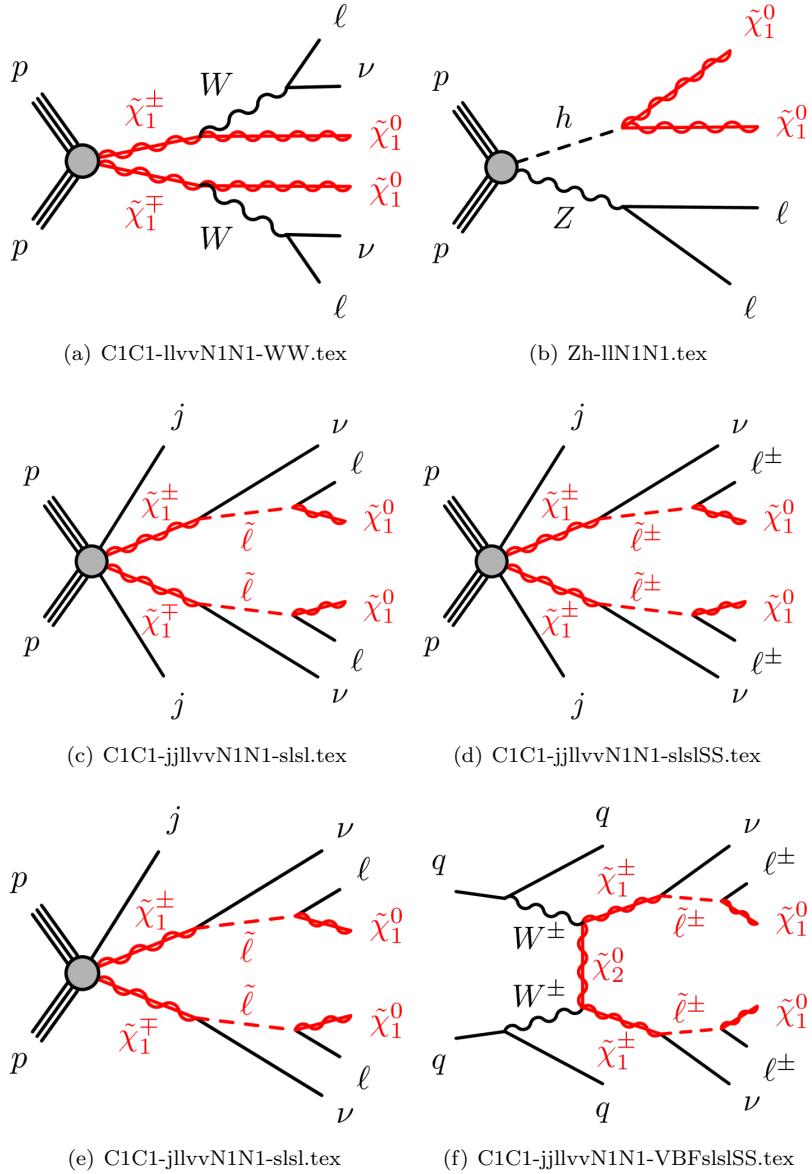


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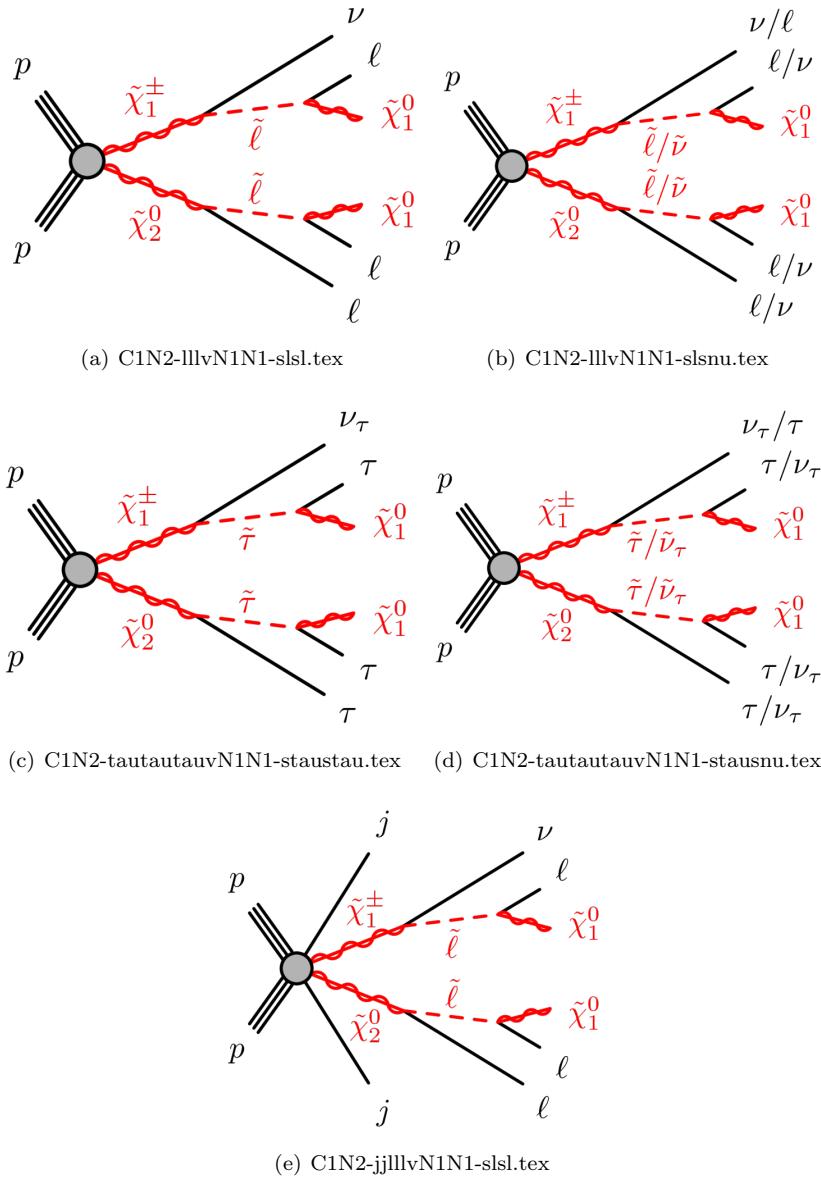


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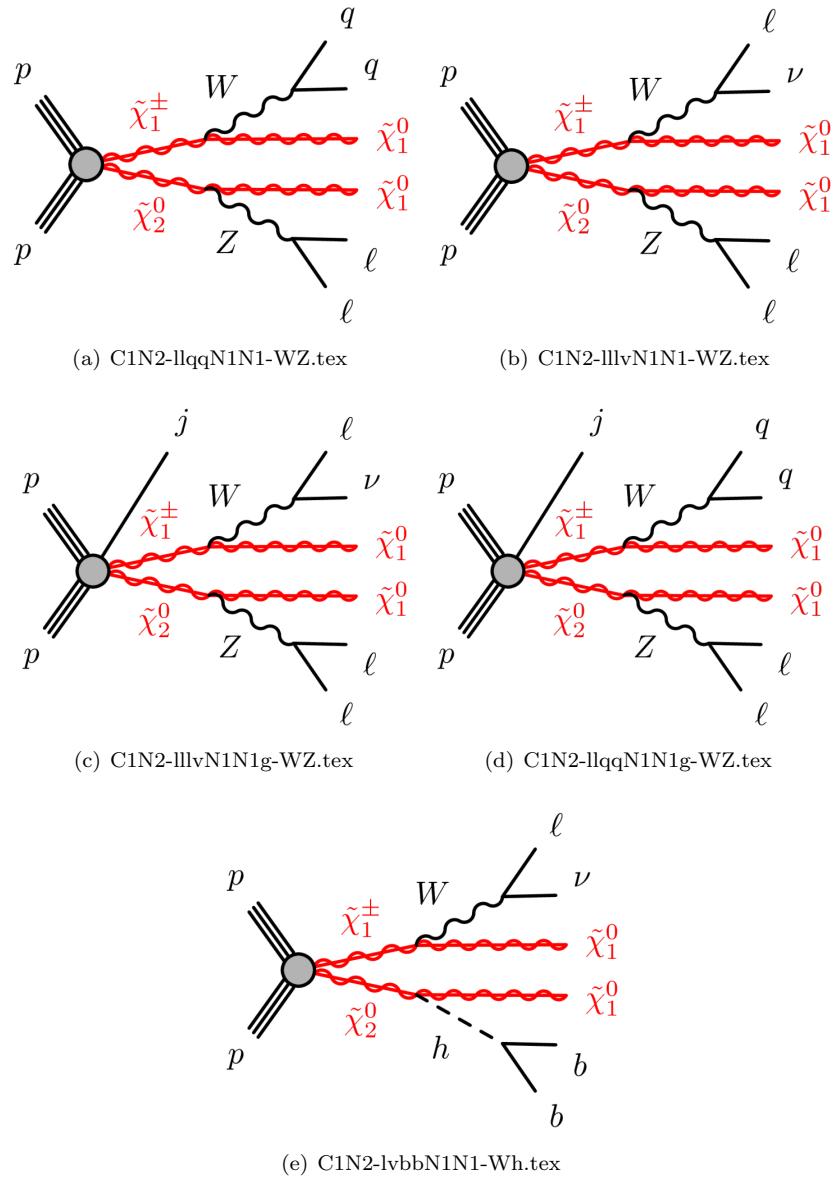


Figure 22:

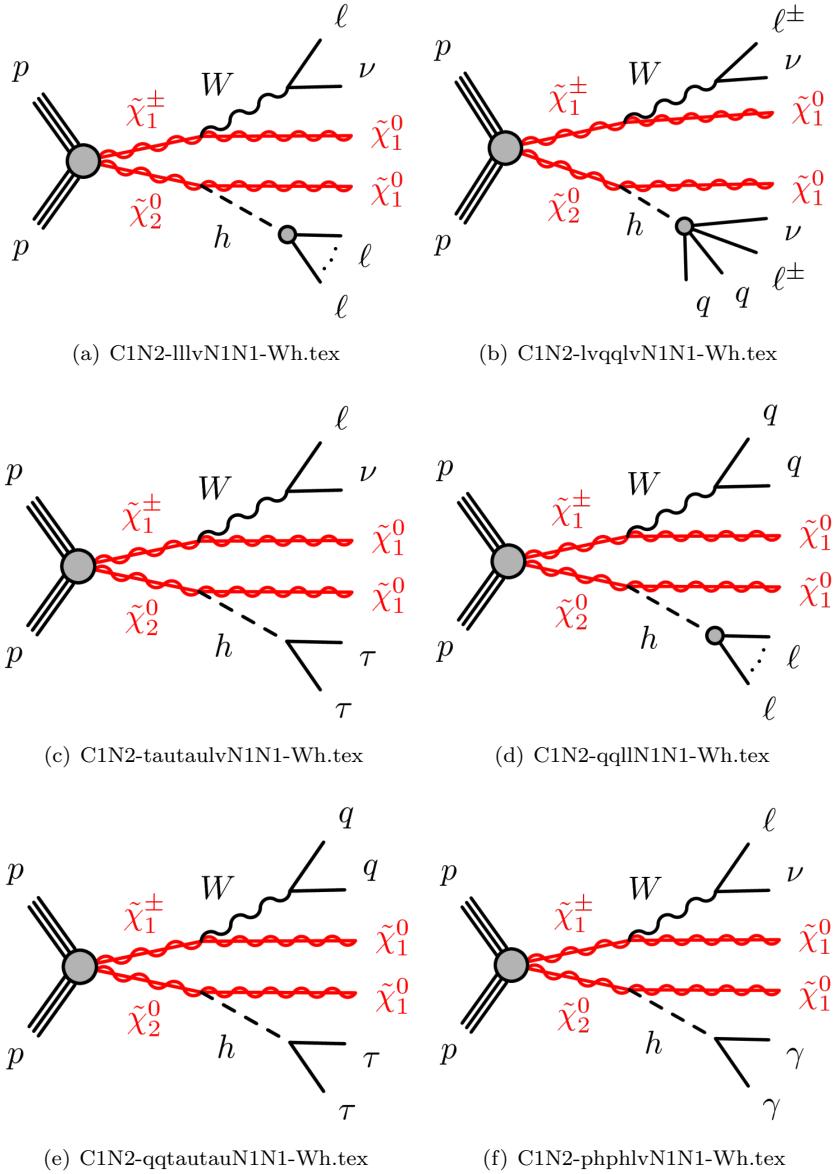


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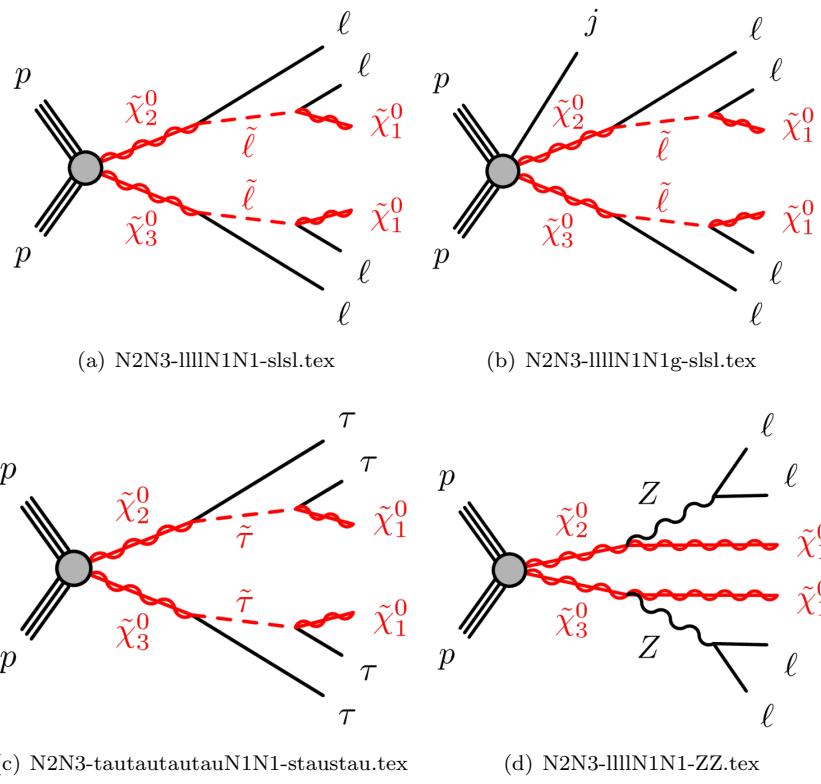


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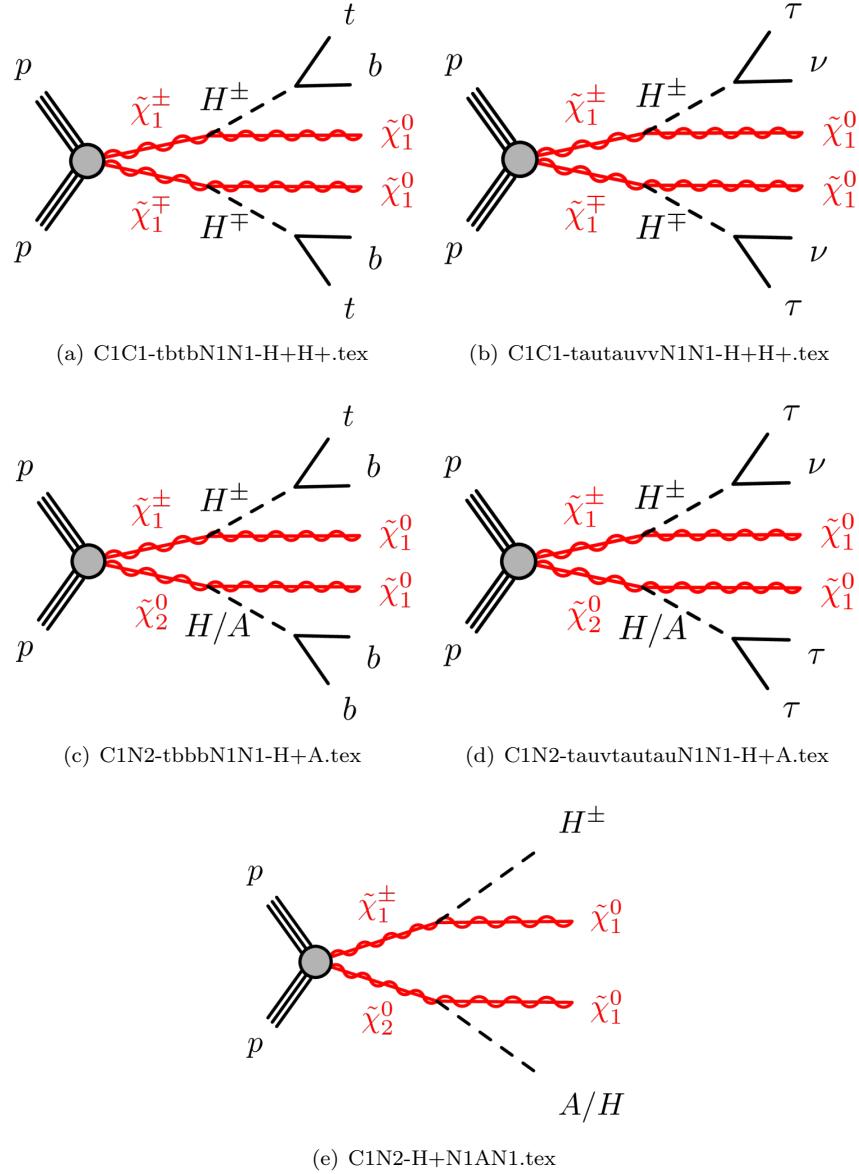


Figure 25:

5 GGM

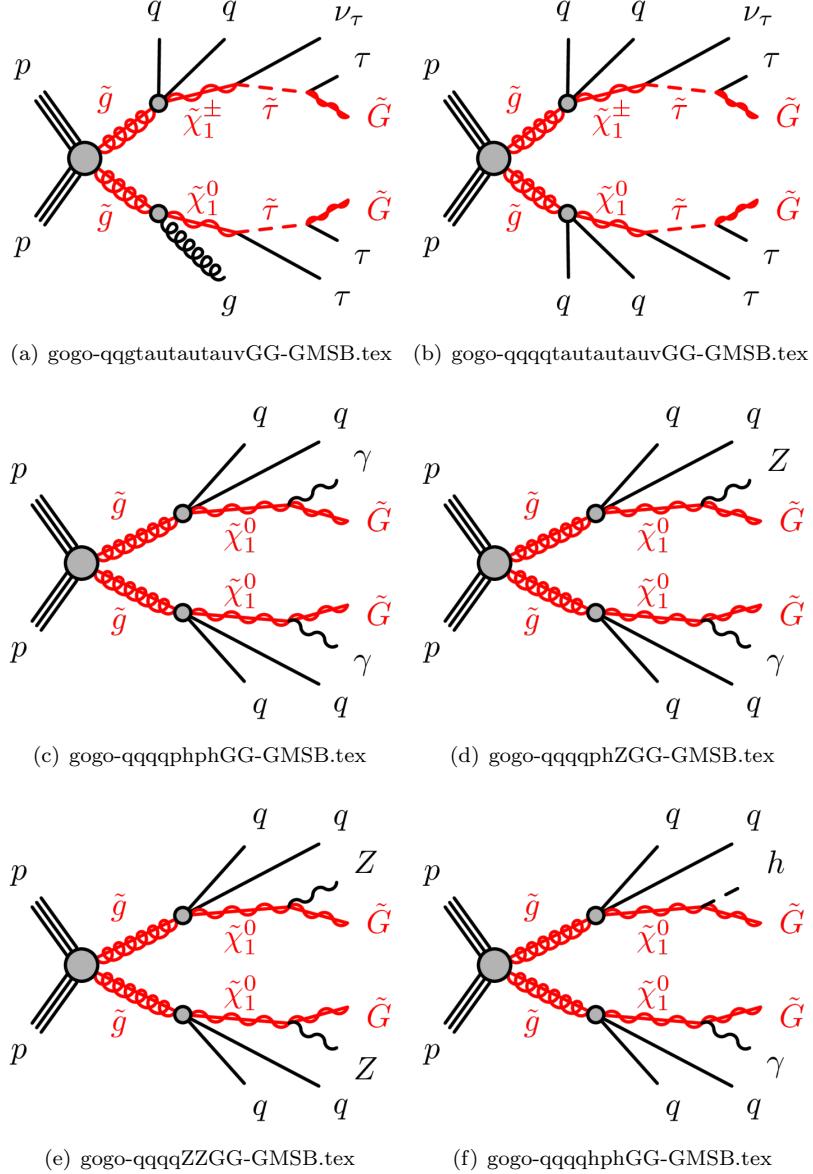


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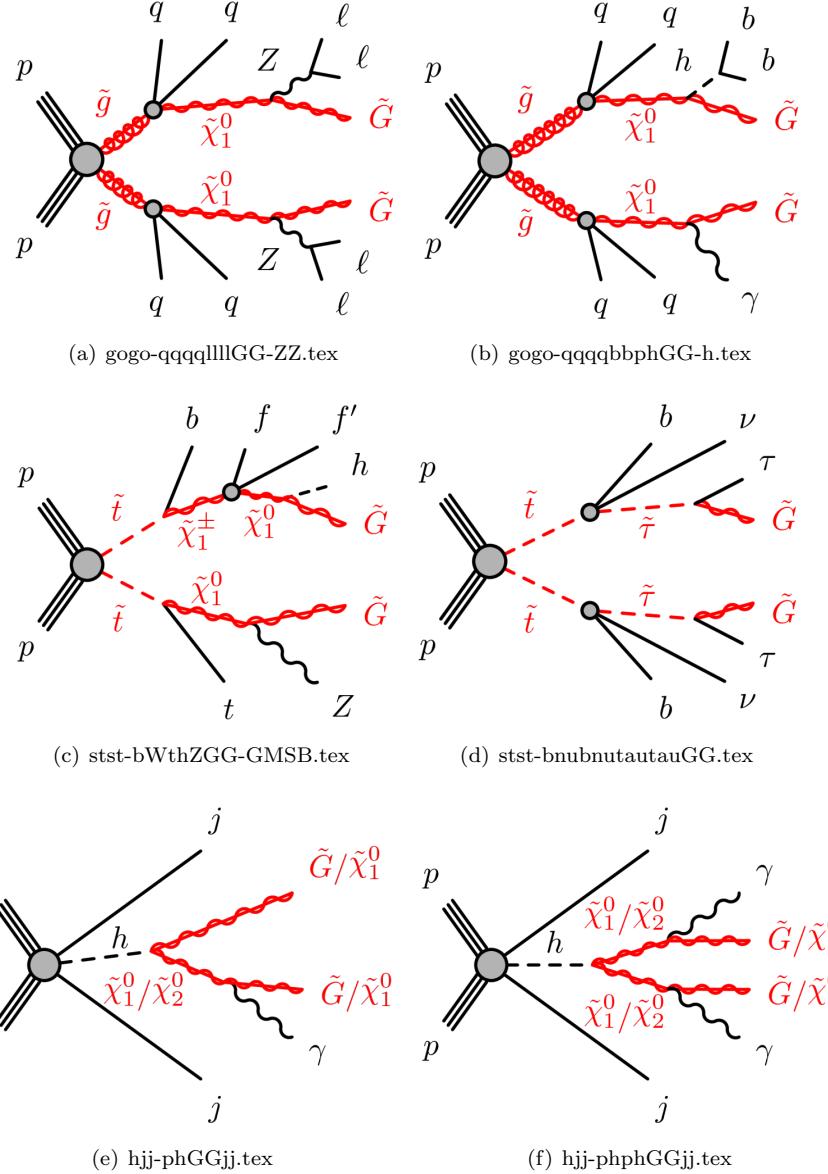


Figure 27:

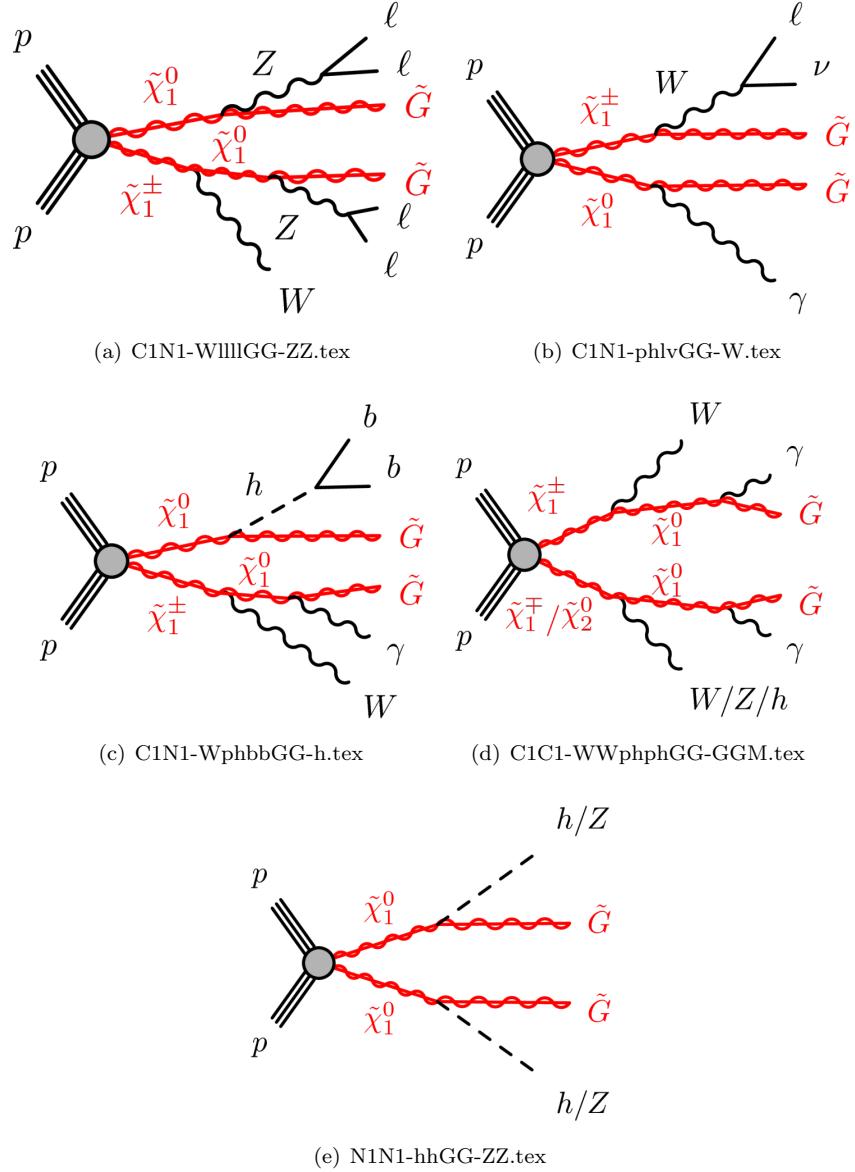


Figure 28:

6 RPV and Long-Lived Decays

6.1 AMSB

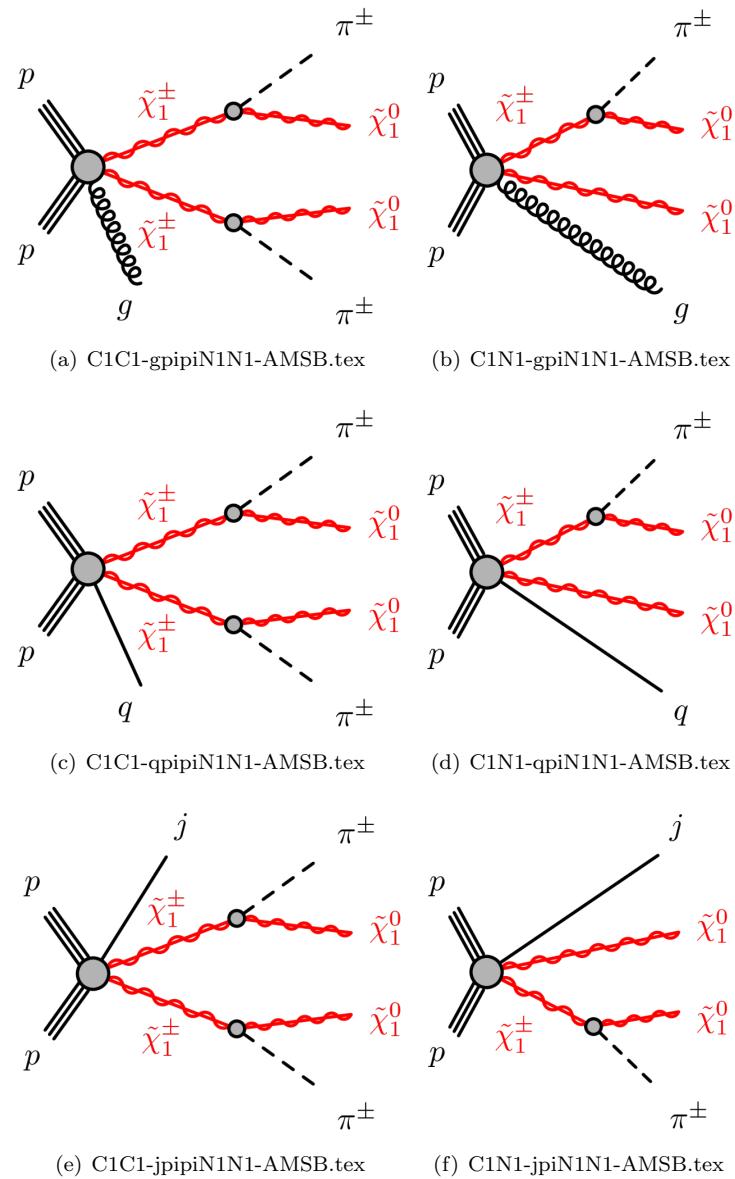


Figure 29:

6.2 LLE Operator (λ)

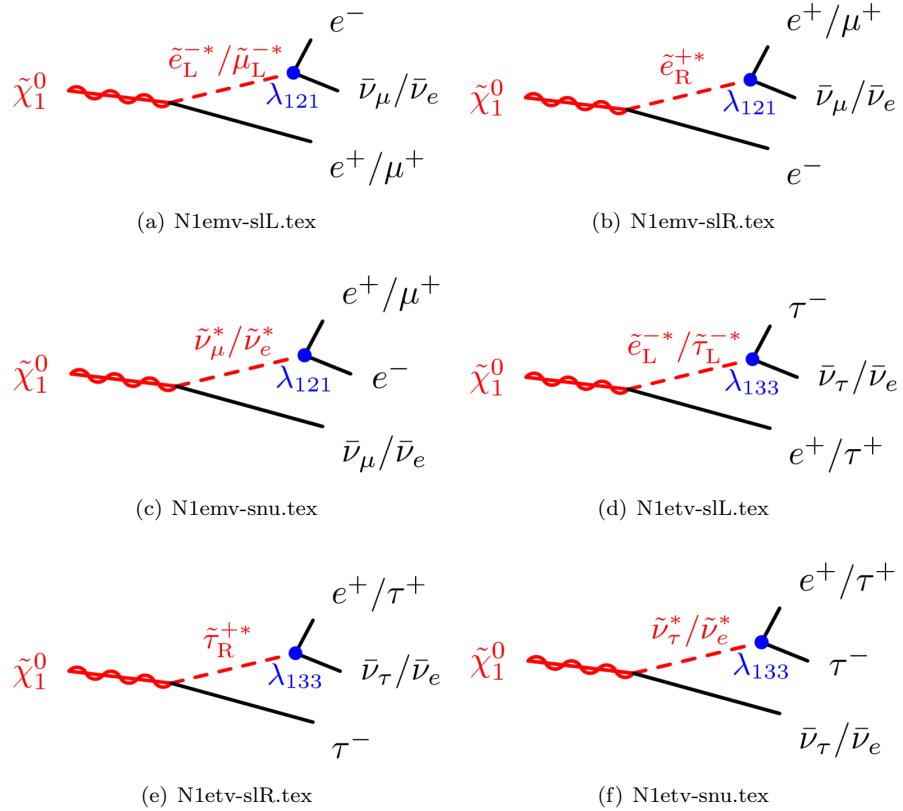


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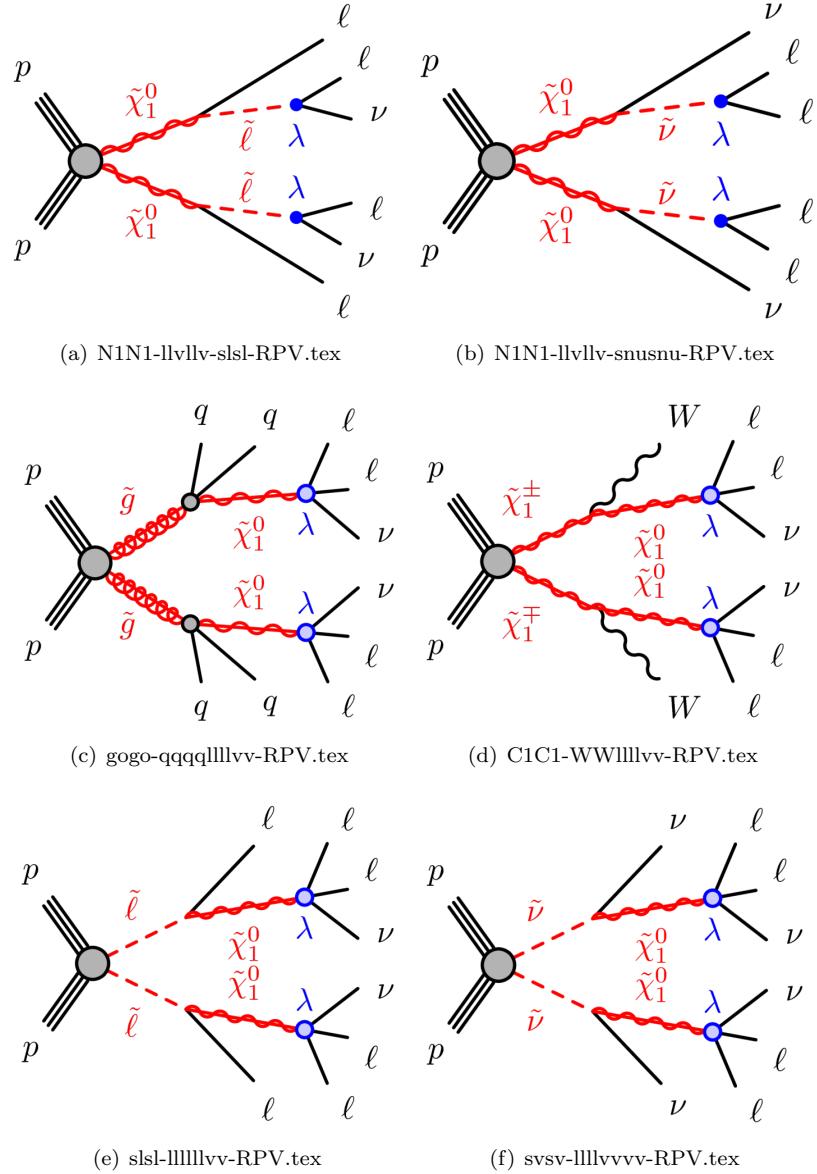


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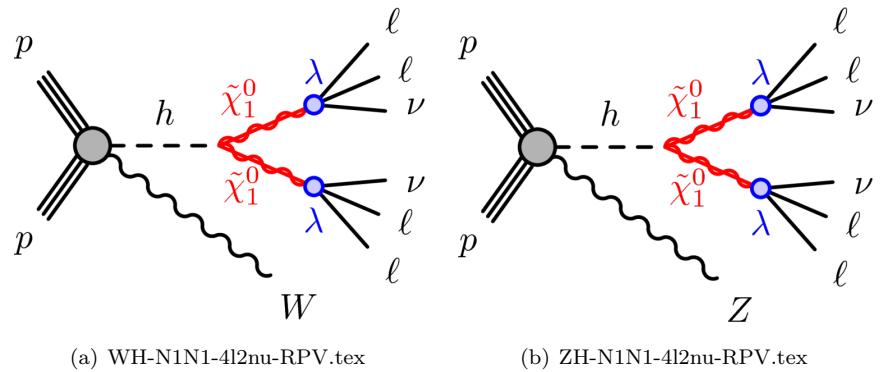
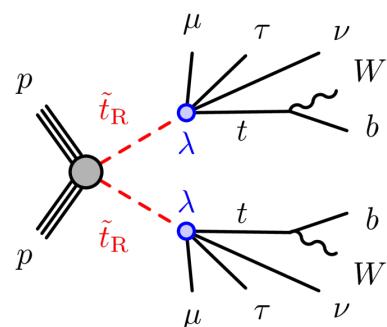


Figure 32:



(a) stst-ttmumutautauvv-RPV.tex

Figure 33:

6.3 LQD Operator (λ')

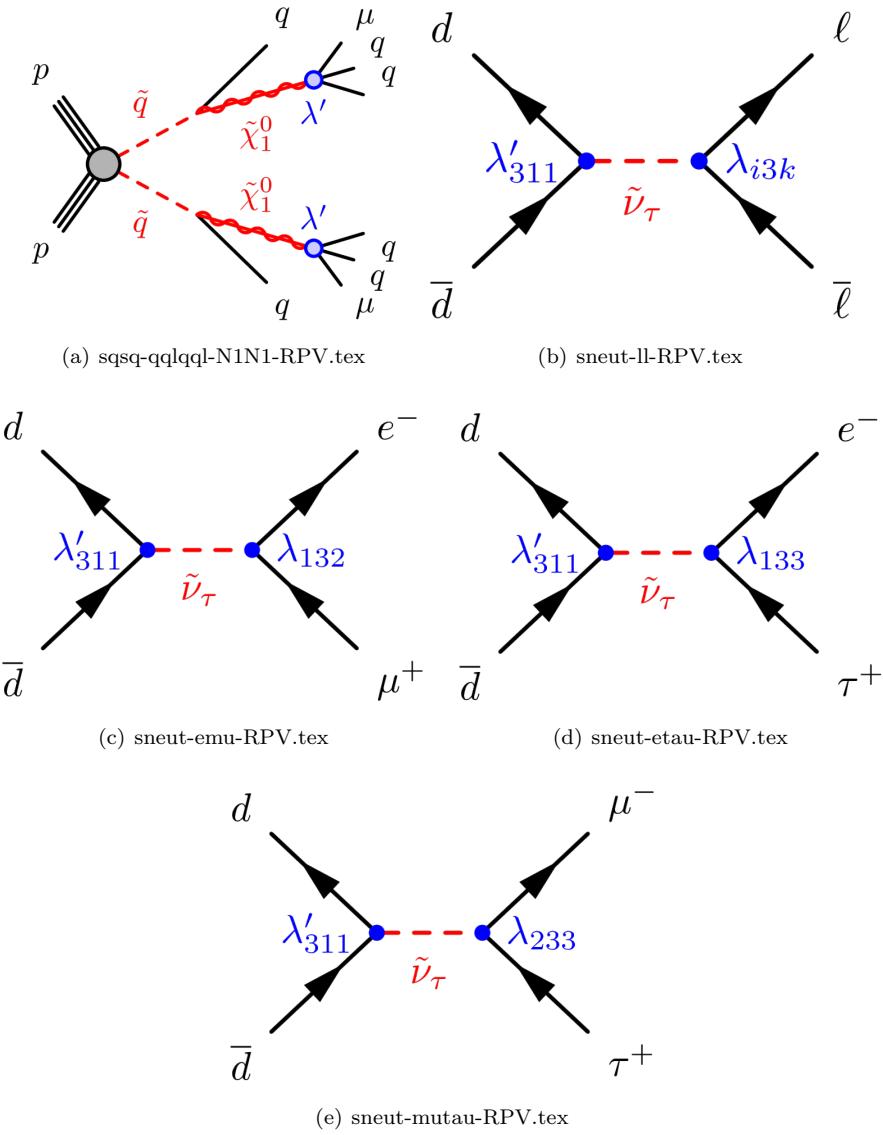


Figure 34:

6.4 UDD Operator (λ'')

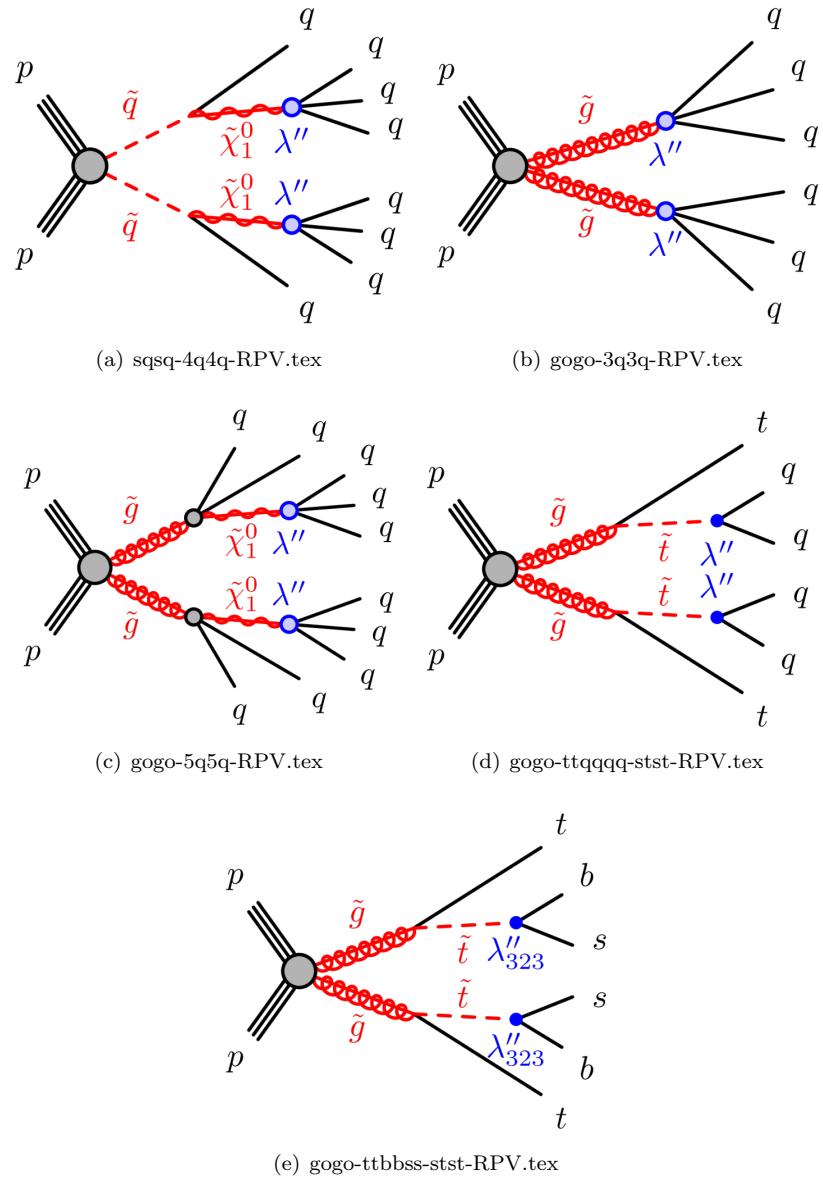


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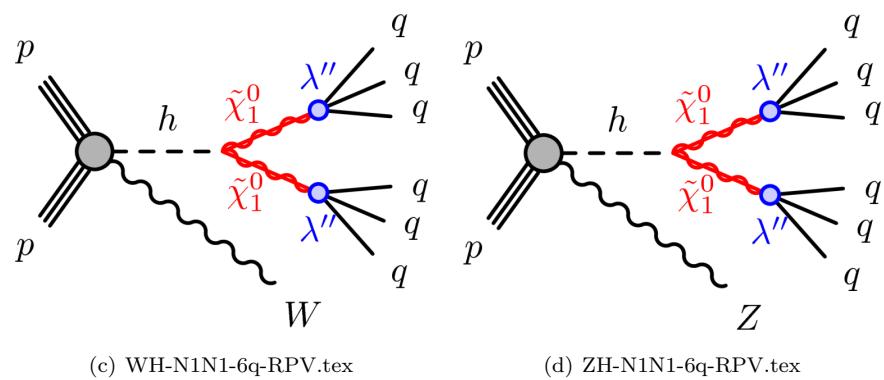
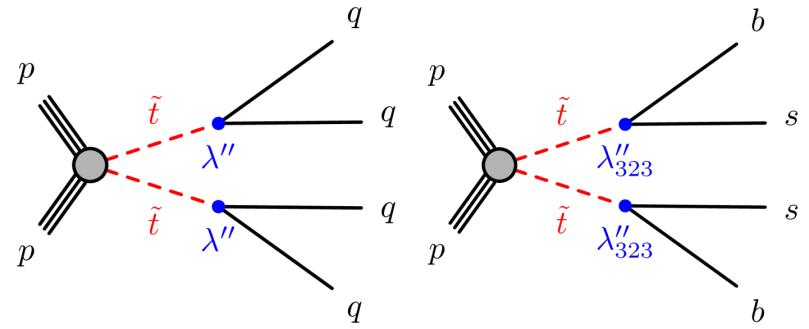


Figure 36:

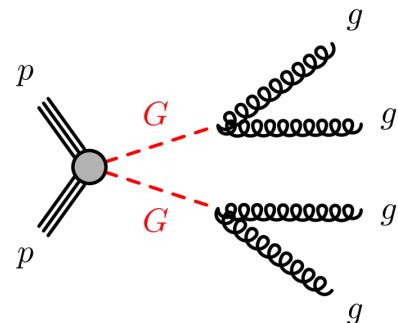


Figure 37: