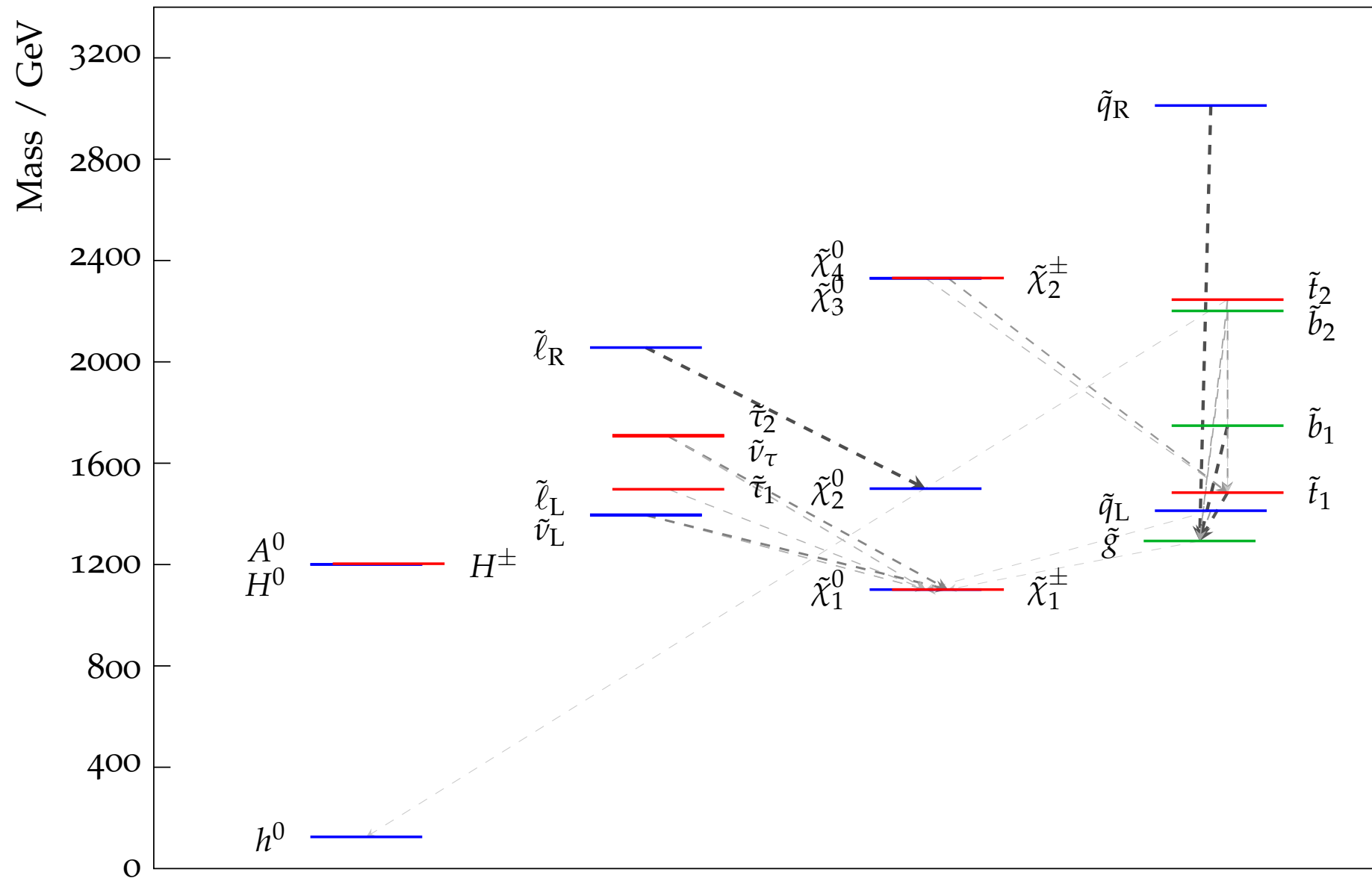


Benchmark points

Nadja & Sezen
April 6, 2017

Gluino compressed

pMSSM12_MCMC1_10_374794

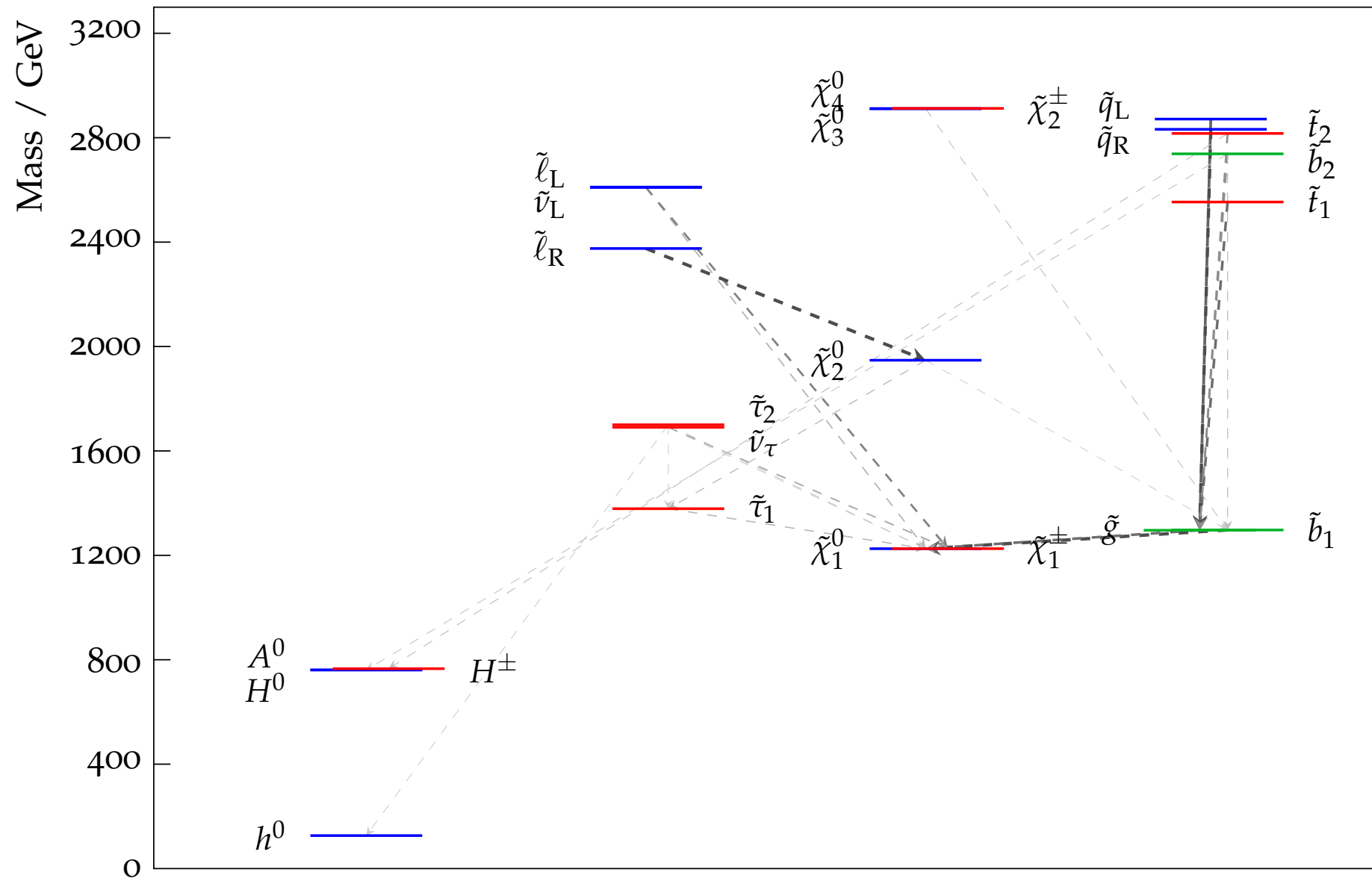


FT: 1.34712889e+03

ctau = 0.551167 m

Gluino compressed

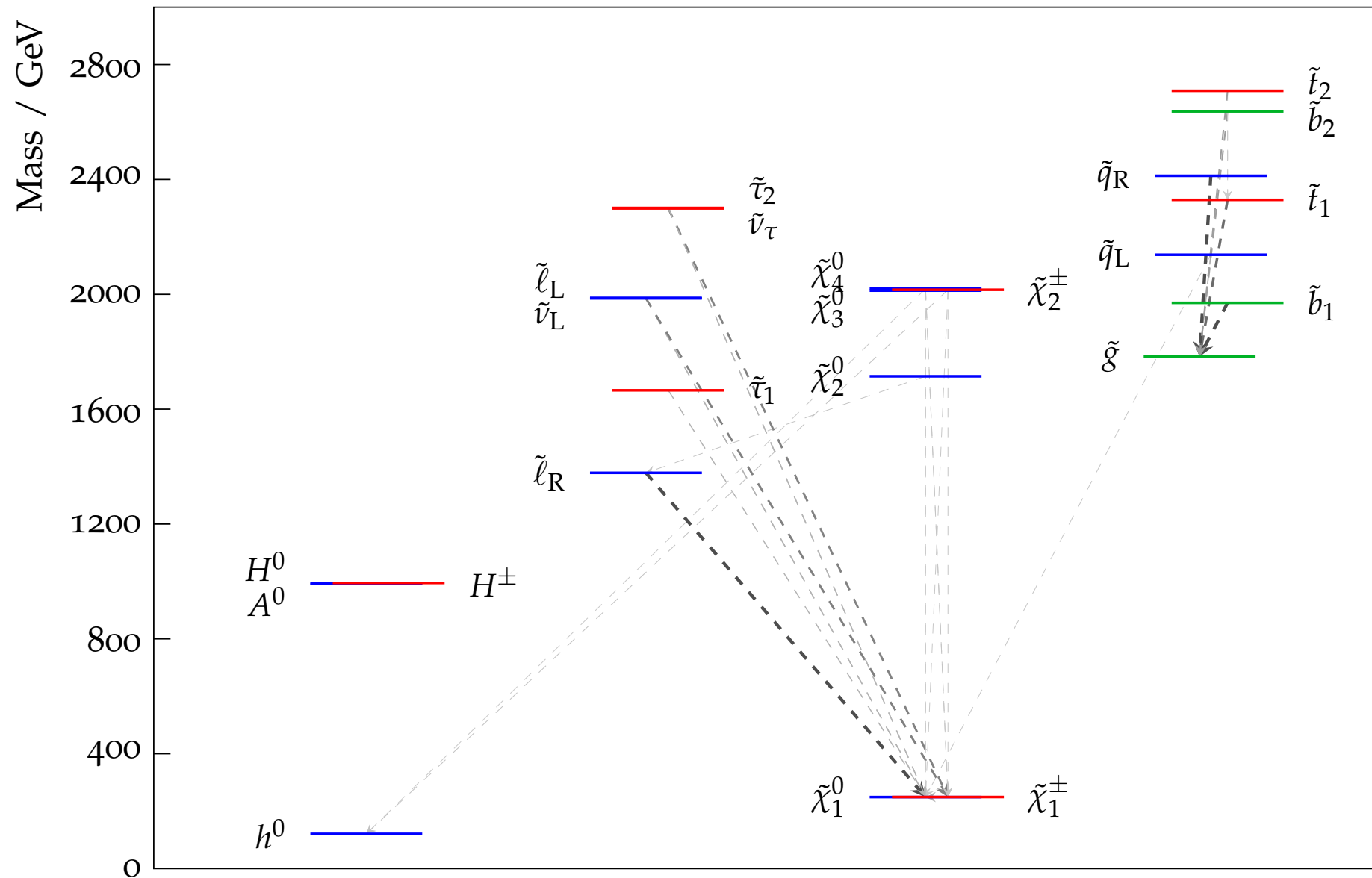
pMSSM12_MCMC1_20_690321



$c\tau = 0.102480 \text{ m}$

Gluino large DM

pMSSM12_MCMC1_28_737434

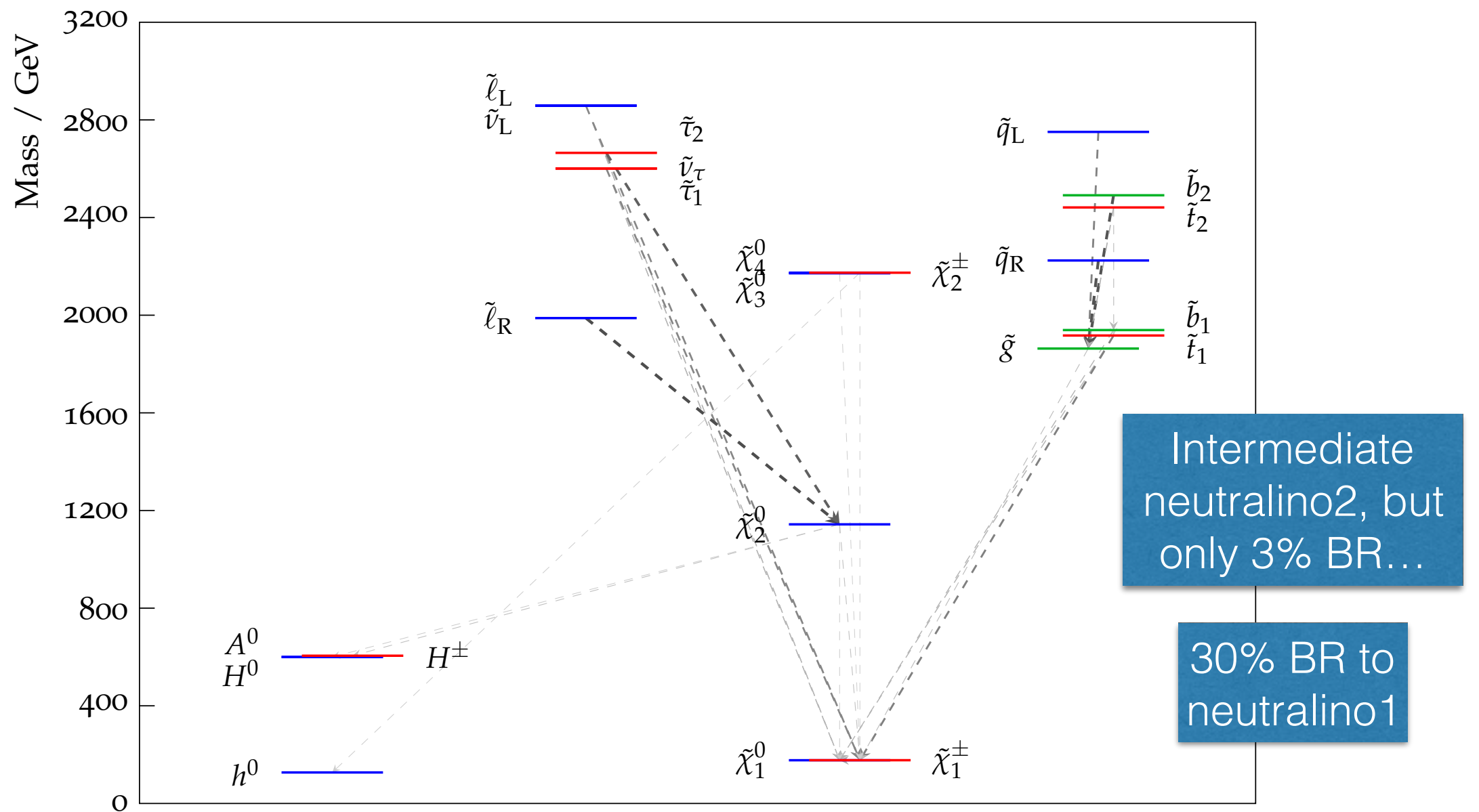


FT: 1.00633121e+03

ctau = 0.178627 m

Gluino large DM

pMSSM12_MCMC1_27_969542

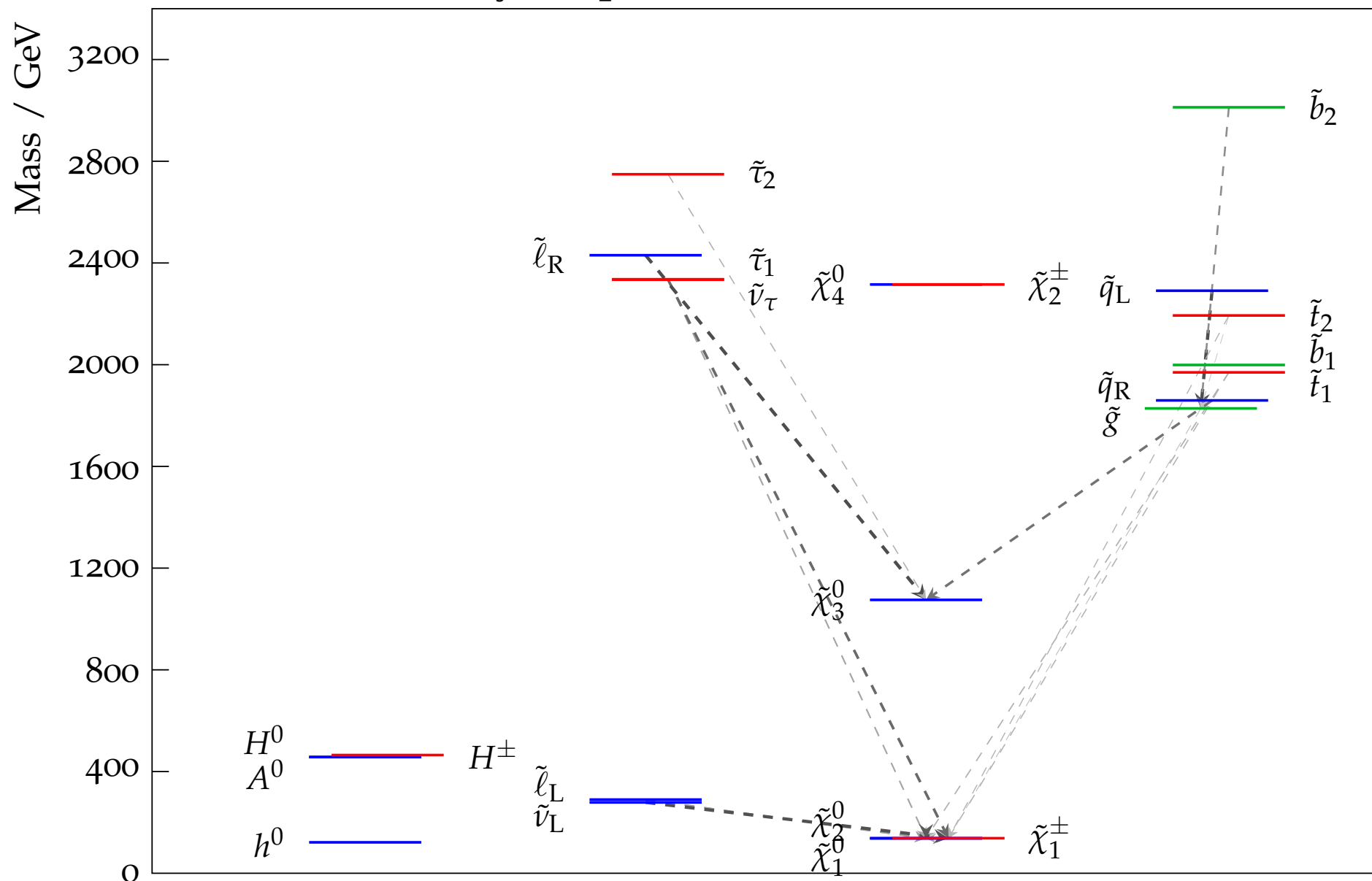


$c\tau = 0.560063 \text{ m}$

Gluino / squark

pMSSM12_MCMC1_37_569964

DECAY	1000021	1.55620050E-01	# gluino decays			
#	BR	NDA	ID1	ID2	ID3	
6.04529665E-02	3	1000022	5	-5	# BR($\tilde{g} \rightarrow \tilde{\chi}_{10} b$ bb)	p1
6.02372229E-02	3	1000023	5	-5	# BR($\tilde{g} \rightarrow \tilde{\chi}_{20} b$ bb)	
1.85265601E-01	3	1000022	6	-6	# BR($\tilde{g} \rightarrow \tilde{\chi}_{10} t$ tb)	
1.81867740E-01	3	1000023	6	-6	# BR($\tilde{g} \rightarrow \tilde{\chi}_{20} t$ tb)	
2.49507876E-01	3	1000024	5	-6	# BR($\tilde{g} \rightarrow \tilde{\chi}_{1+} b$ tb)	
2.49507876E-01	3	-1000024	6	-5	# BR($\tilde{g} \rightarrow \tilde{\chi}_{1-} t$ bb)	



LSP is
higgsino
instead of
wino

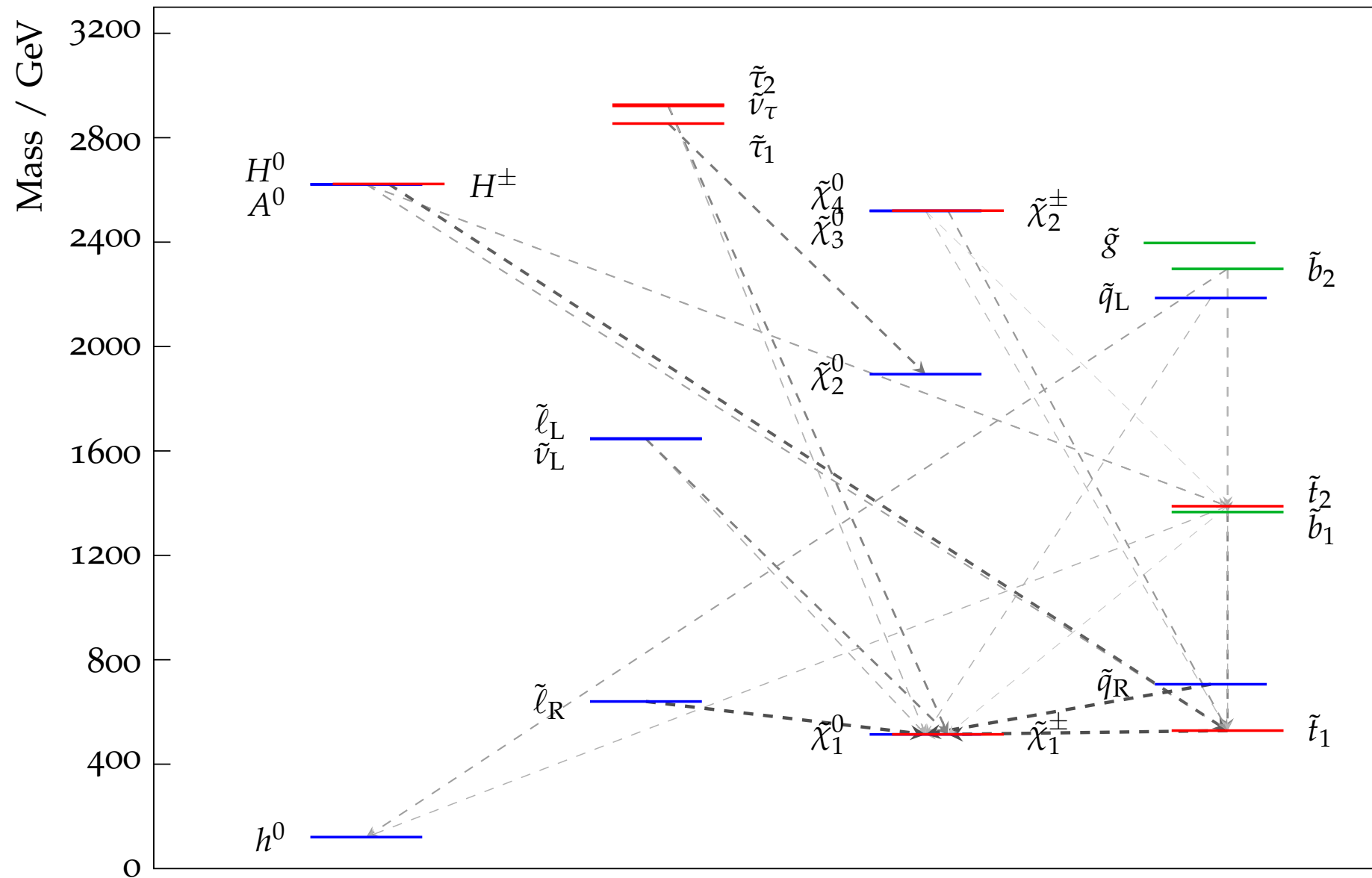
Very
similar to
T1ttbb
SMS

FT: 37.133493

ctau = 0.005296 m

Stop compressed

pMSSM12_MCMC1_8_373637

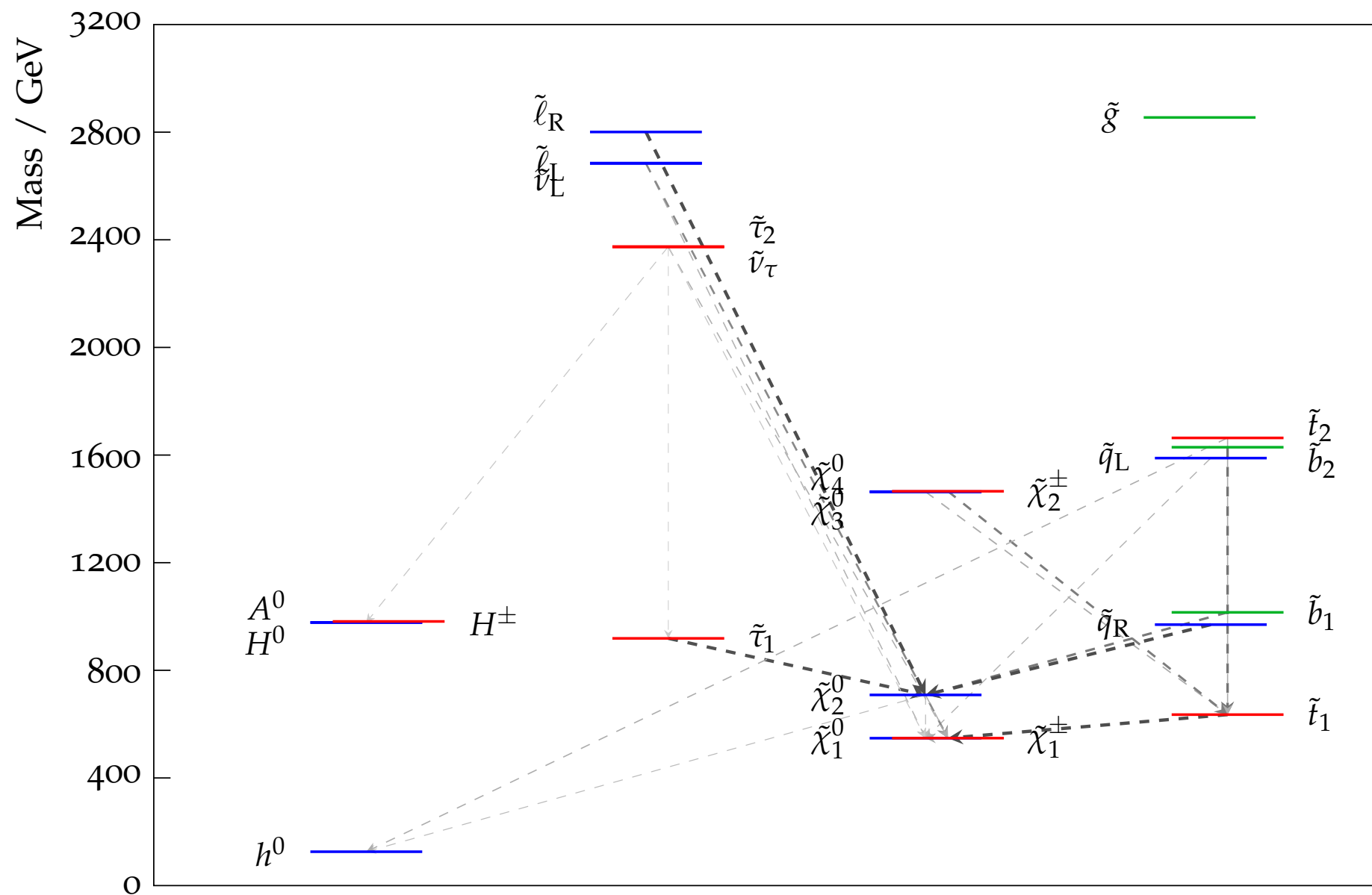


FT: 1.53779371e+03

ctau = 0.897468 m

Stop compressed

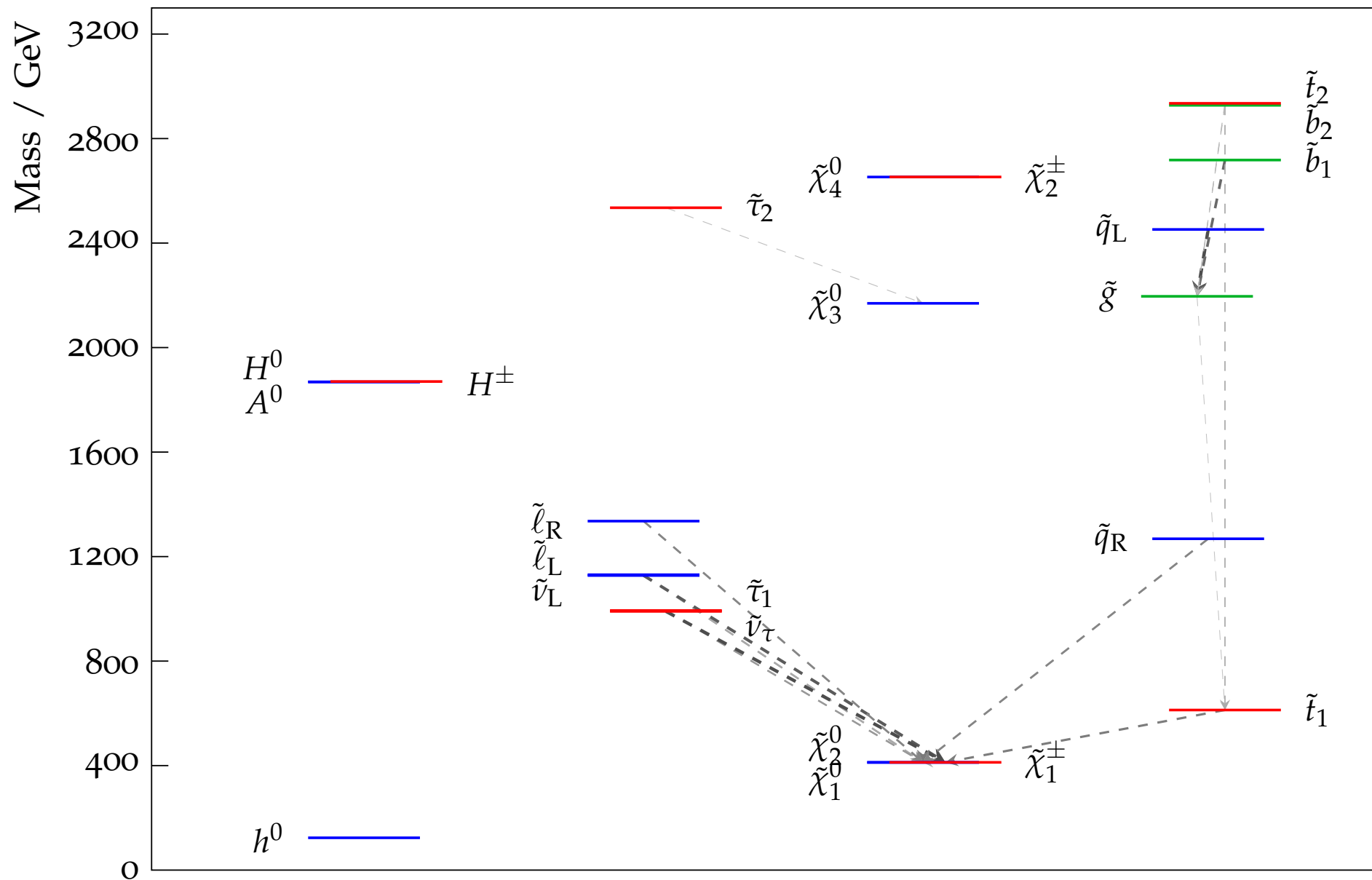
pMSSM12_MCMC1_44_855871



$c\tau = 0.279759$ m

Stop small ctau

pMSSM12_MCMC1_22_237840

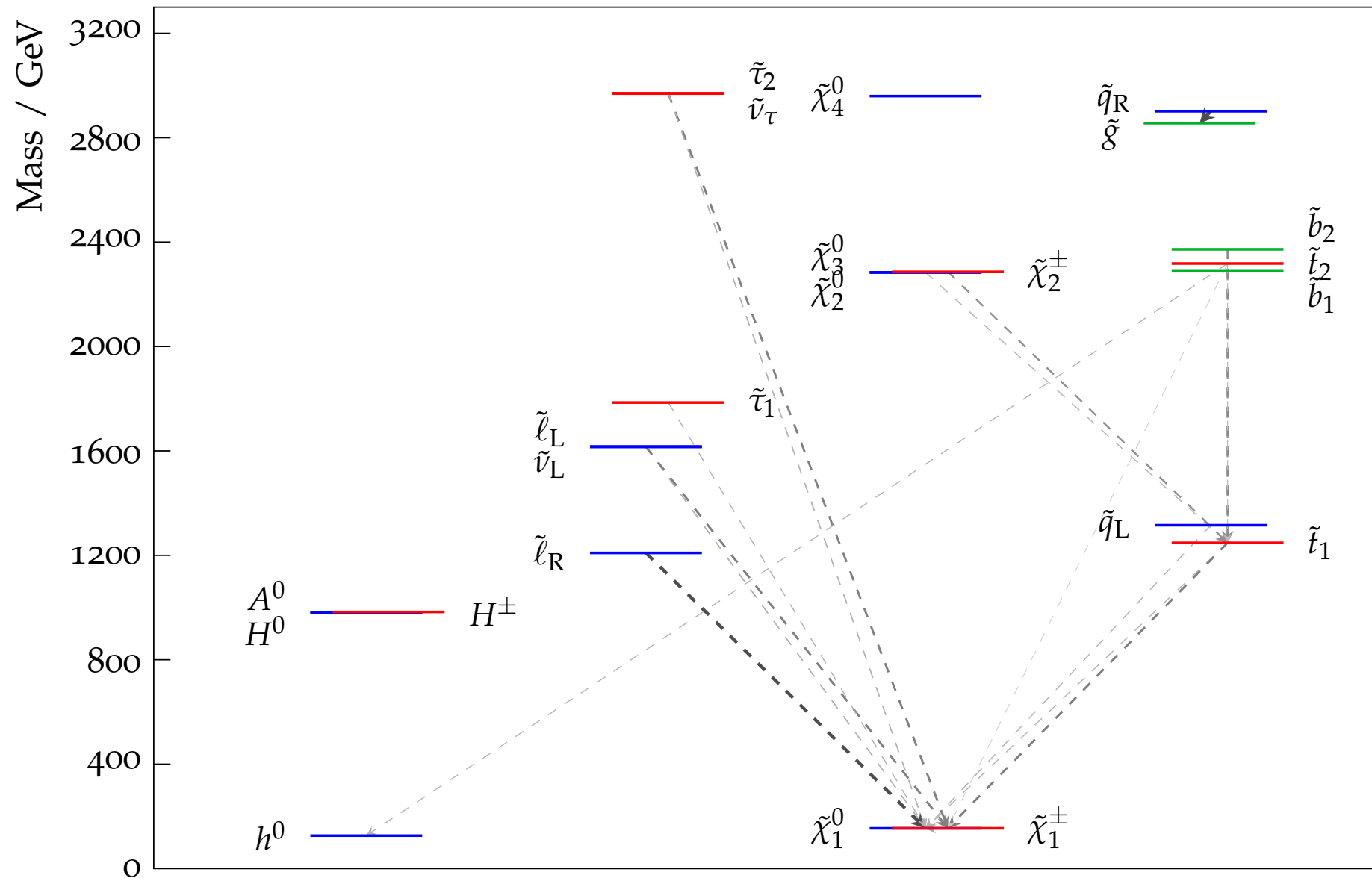


FT: 39.414942

ctau = 0.013643 m

Stop large DM

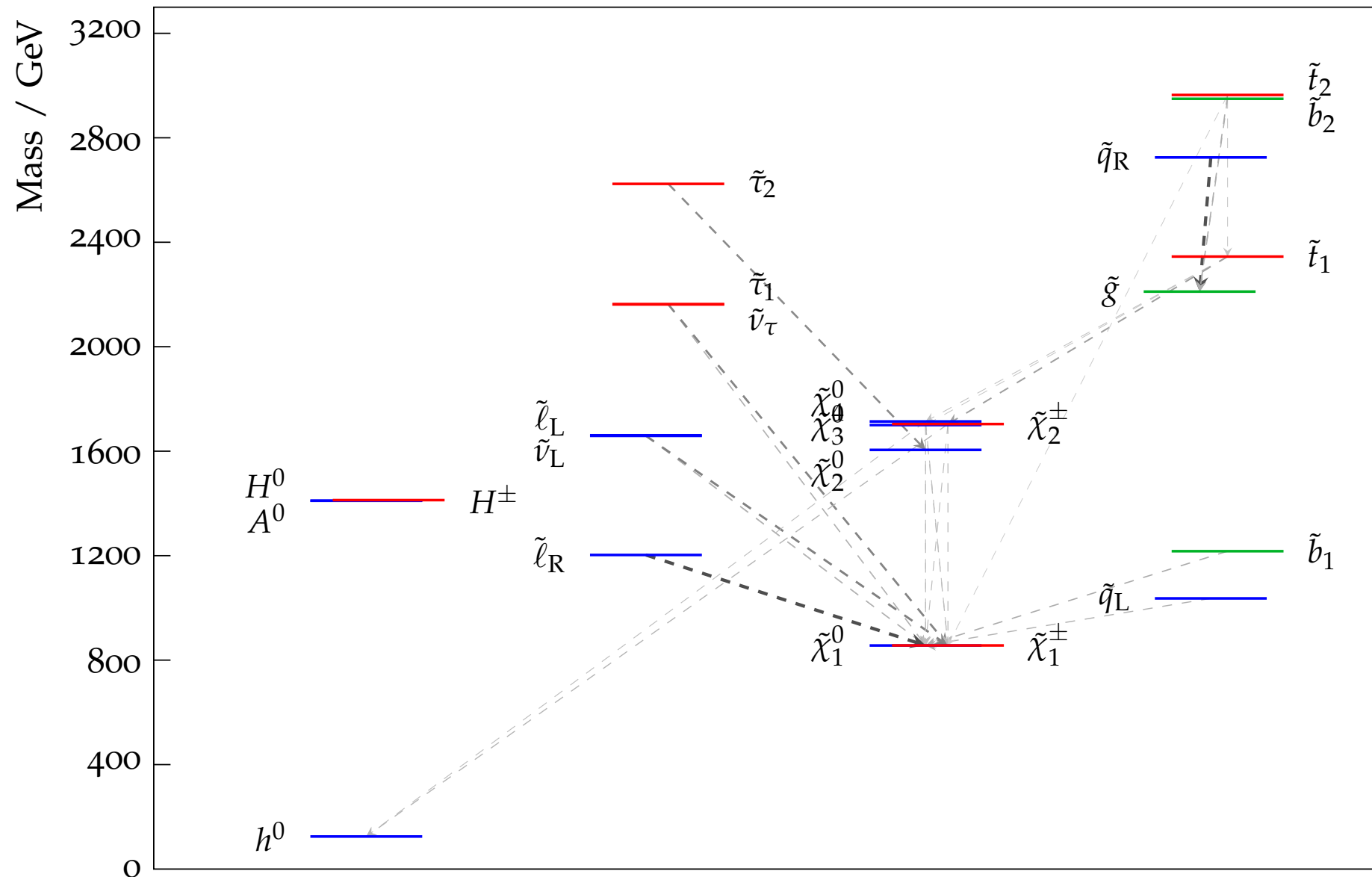
pMSSM12_MCMC1_13_547677



$c\tau = 0.520061 \text{ m}$

Squark

pMSSM12_MCMC1_47_872207

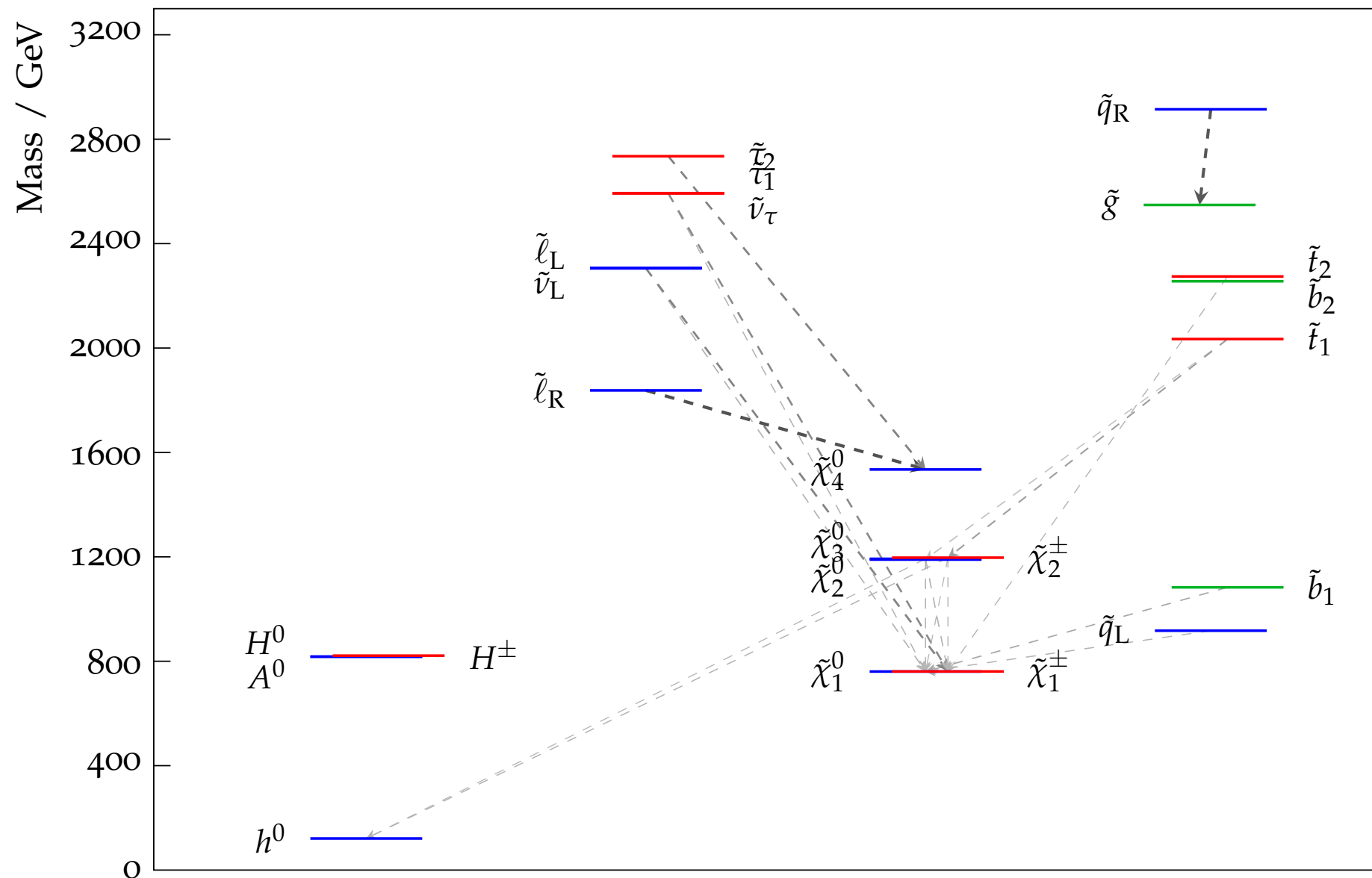


FT: 6.88668906e+02

ctau = 0.222016 m

Squark small ctau

pMSSM12_MCMC1_4_252033

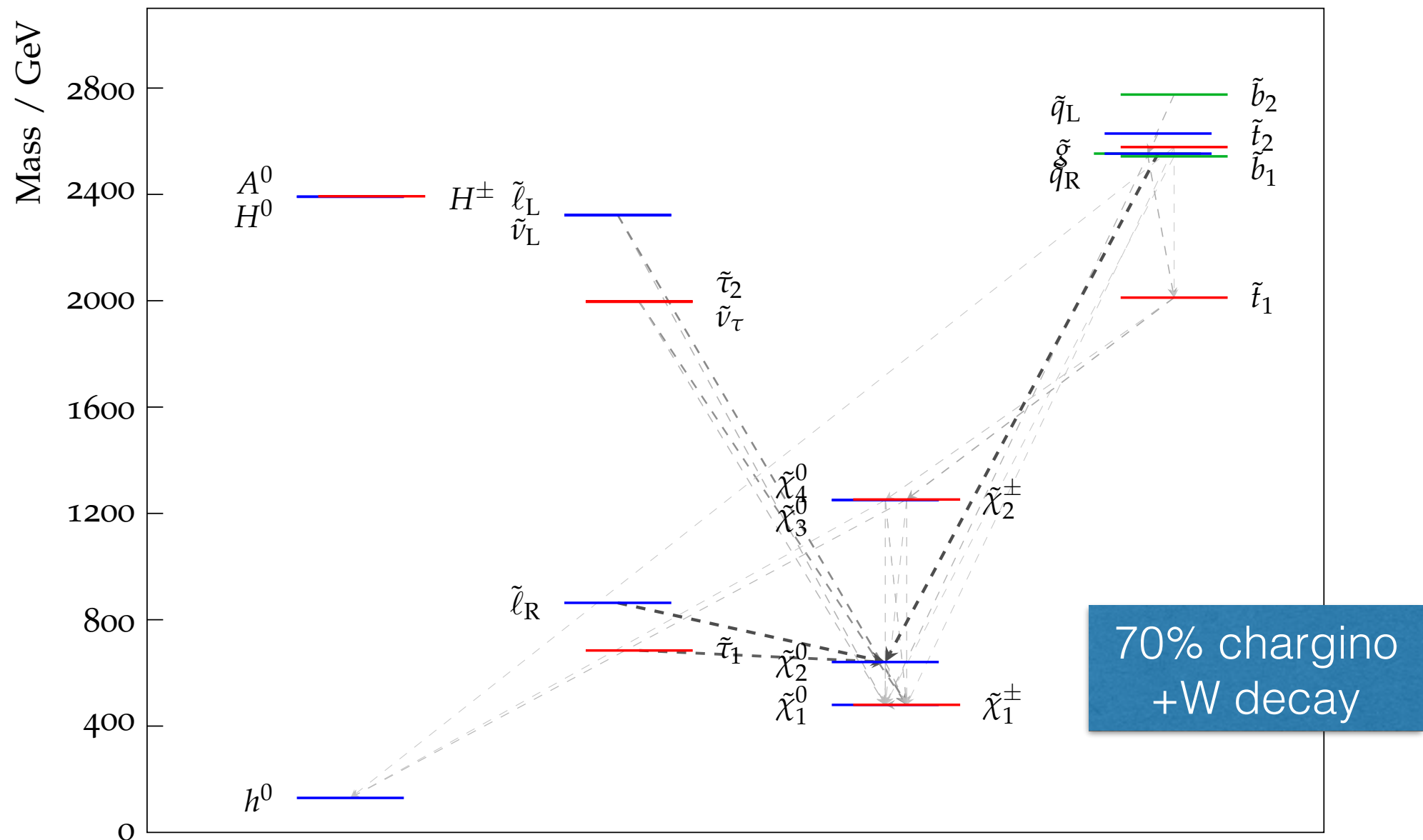


FT: 335.922463

ctau = 0.031555 m

Neutralino2

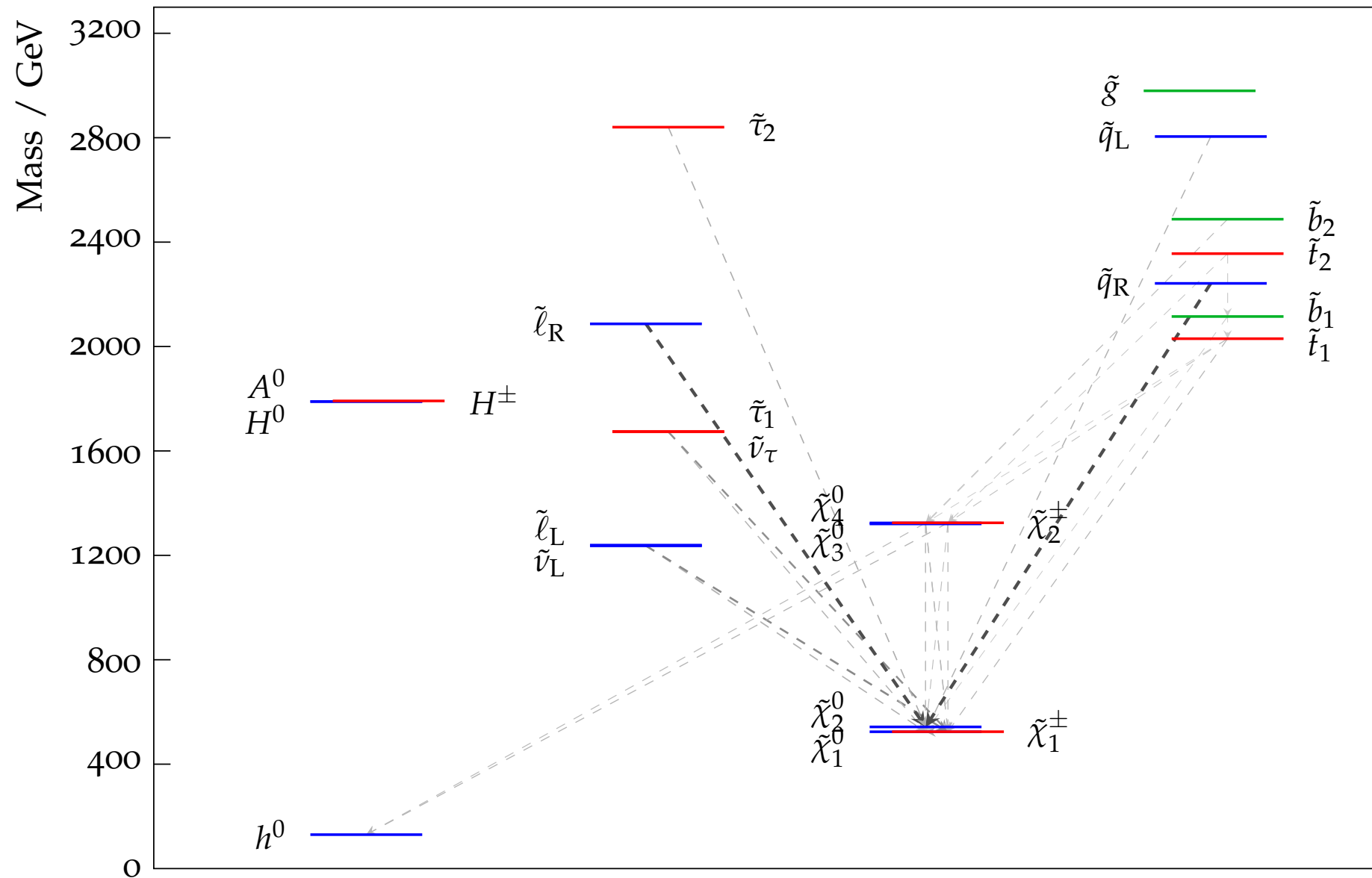
pMSSM12_MCMC1_5_448429



$c\tau = 0.140780 \text{ m}$

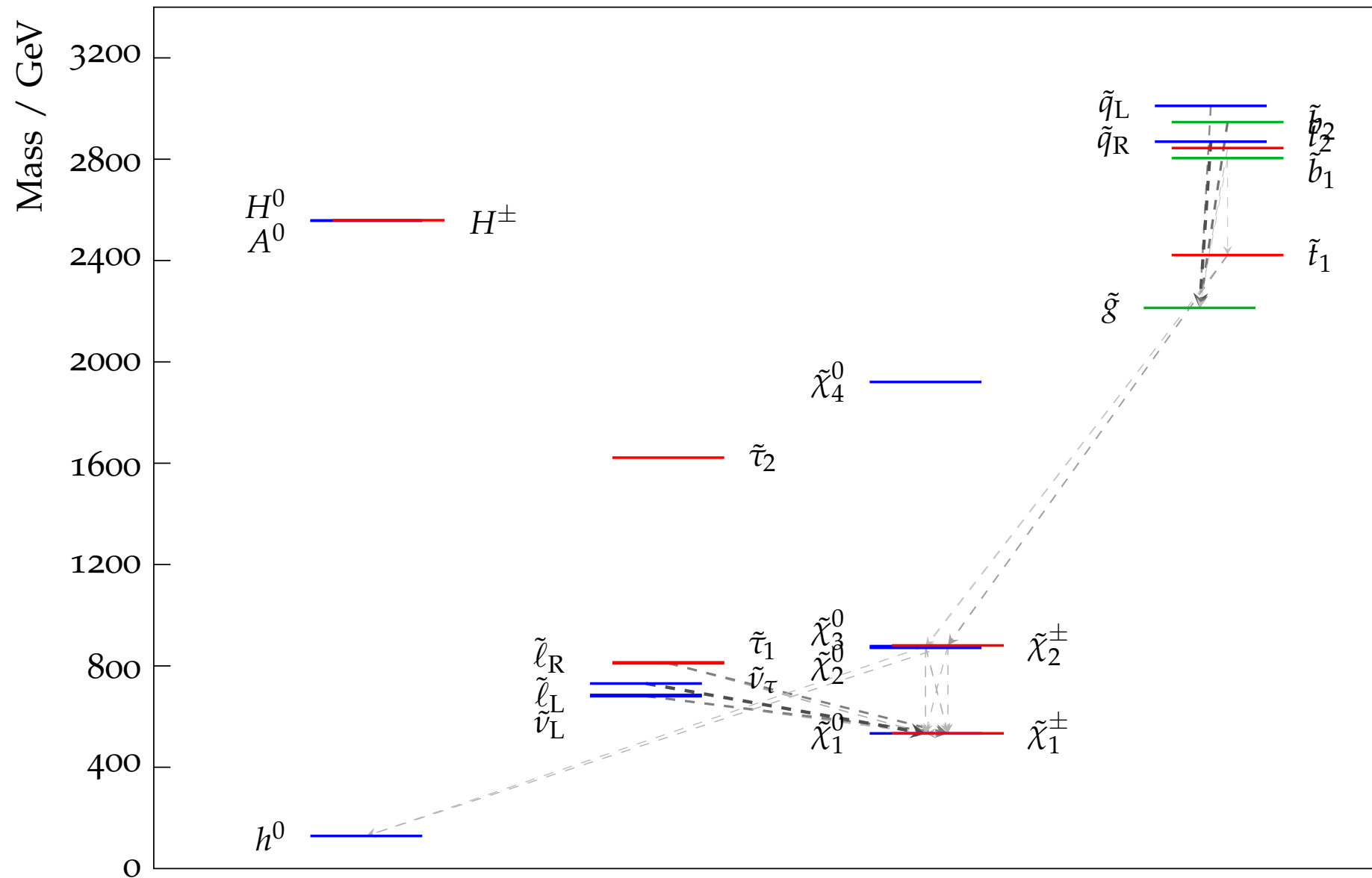
Neutralino2 compressed

pMSSM12_MCMC1_12_865833



Chargino

pMSSM12_MCMC1_24_345416



$c\tau = 0.009878 \text{ m}$