

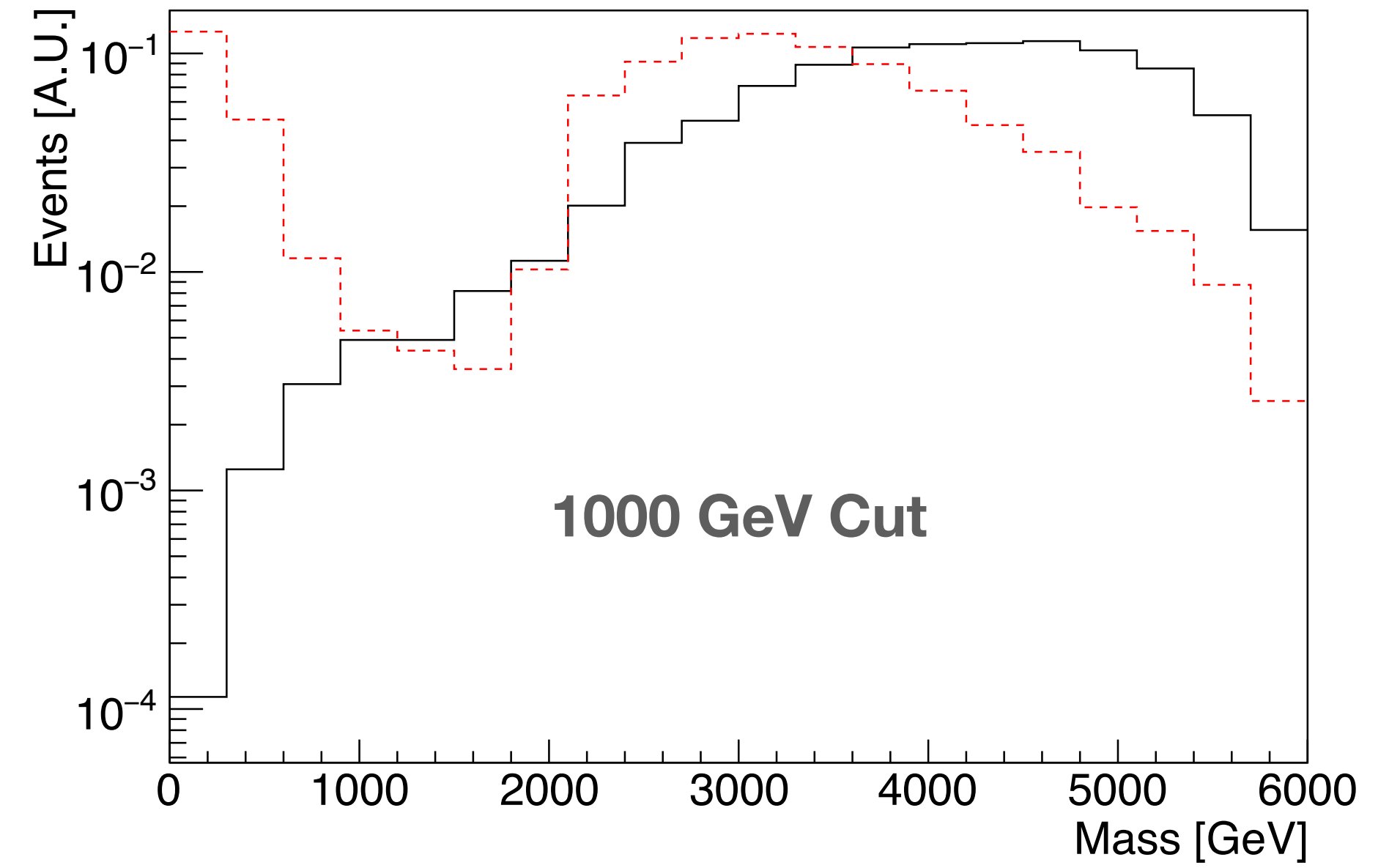
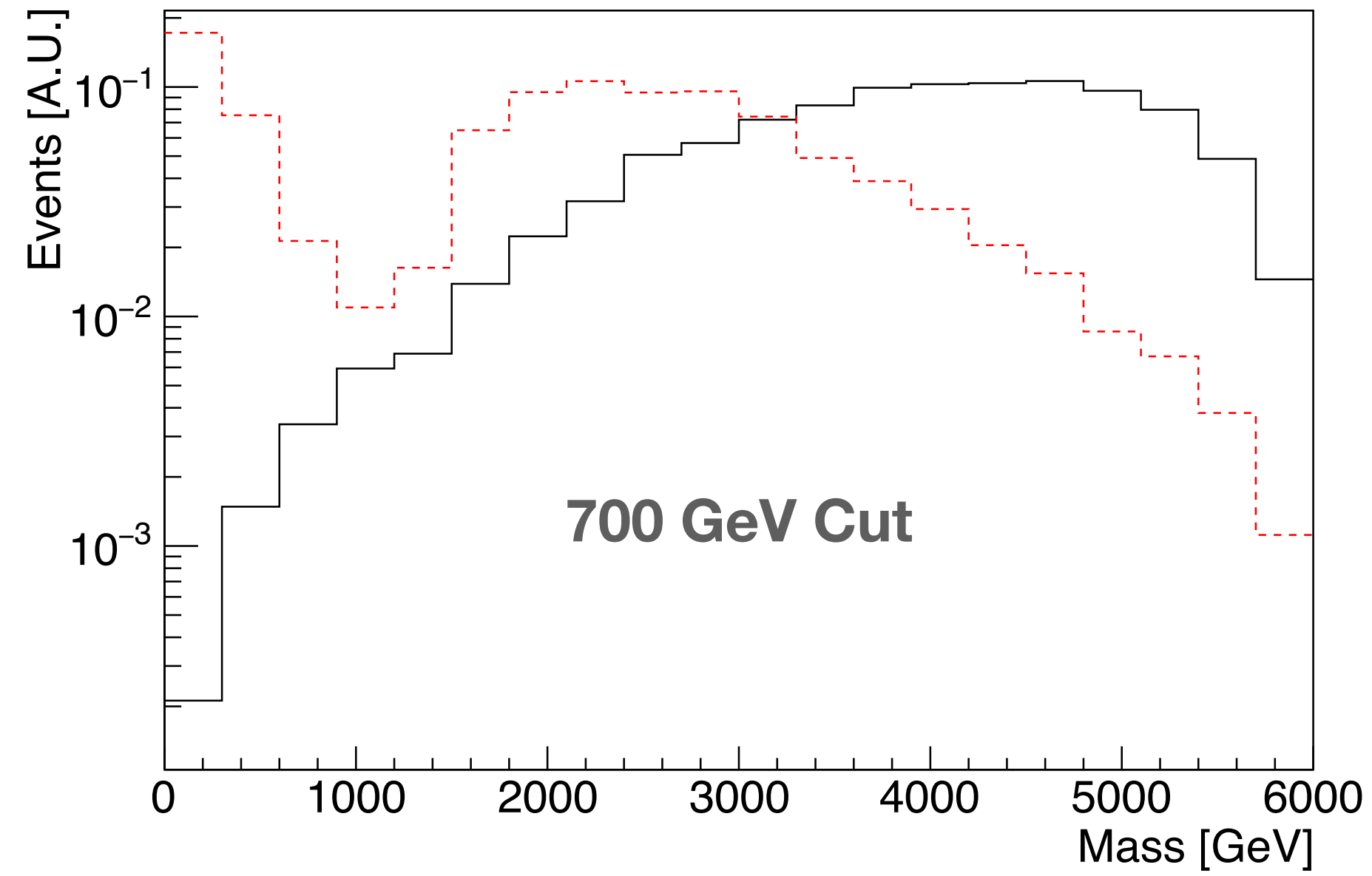
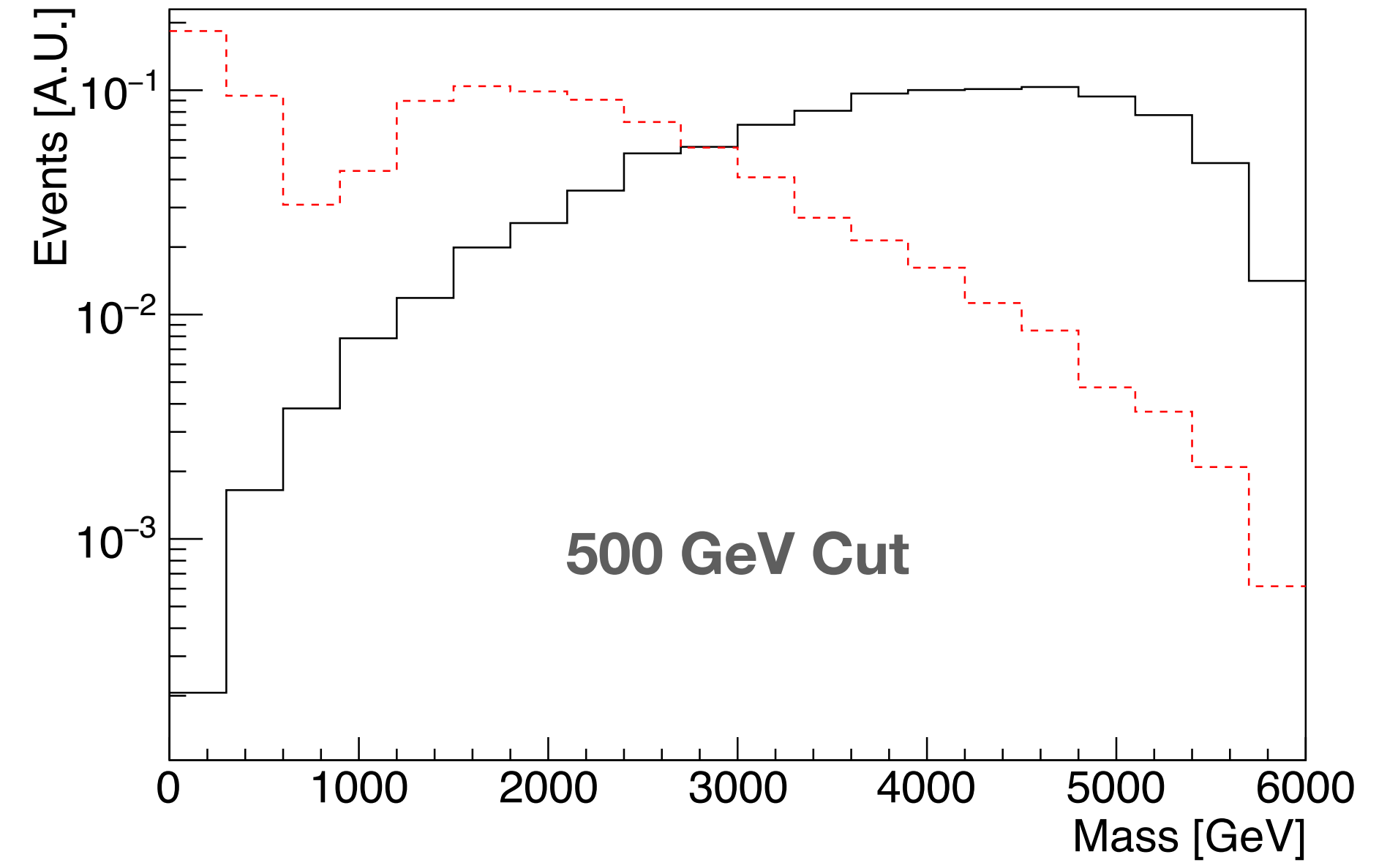
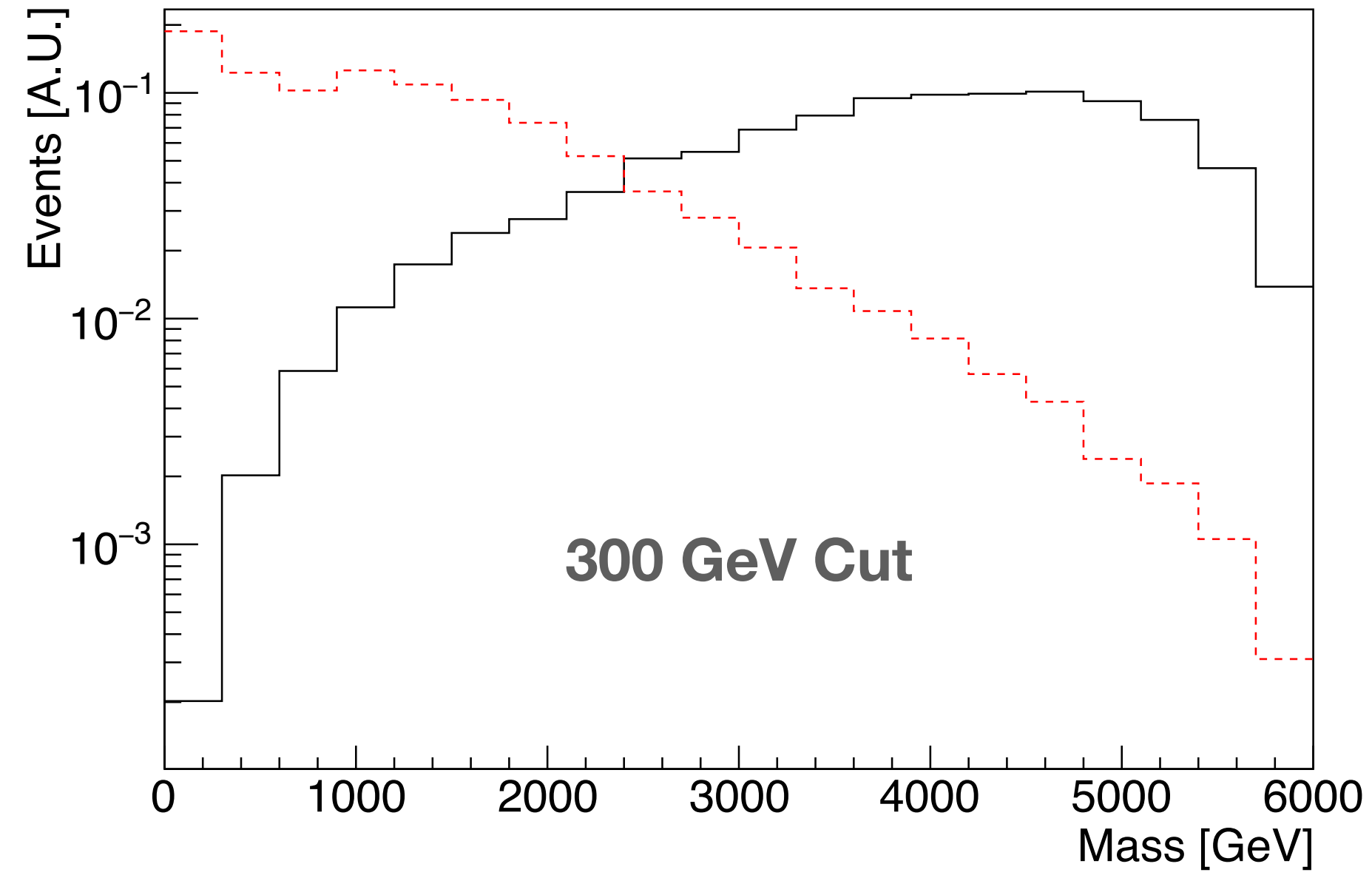
Mumu Channel Update

Connor Waits 5-24-22

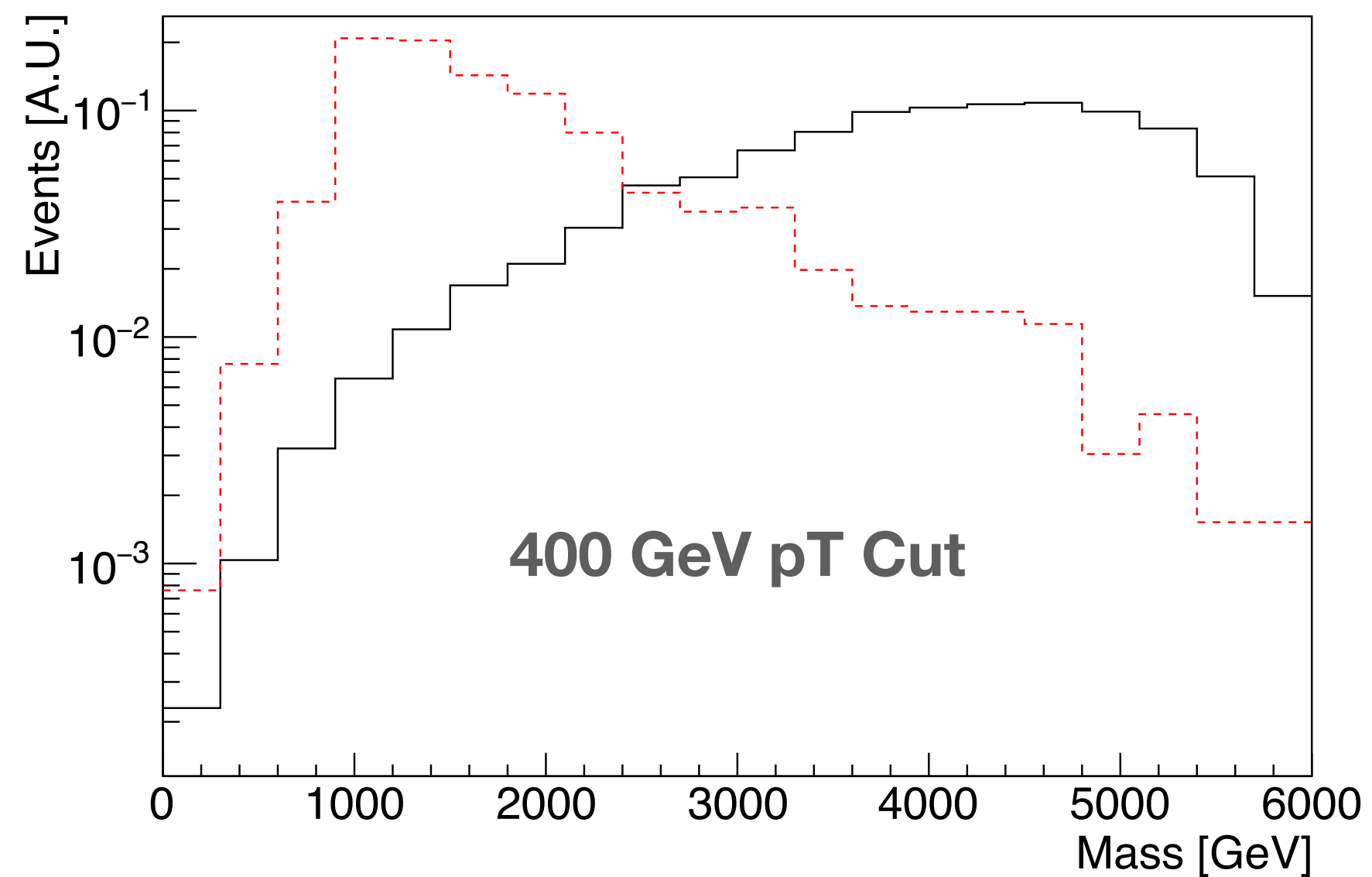
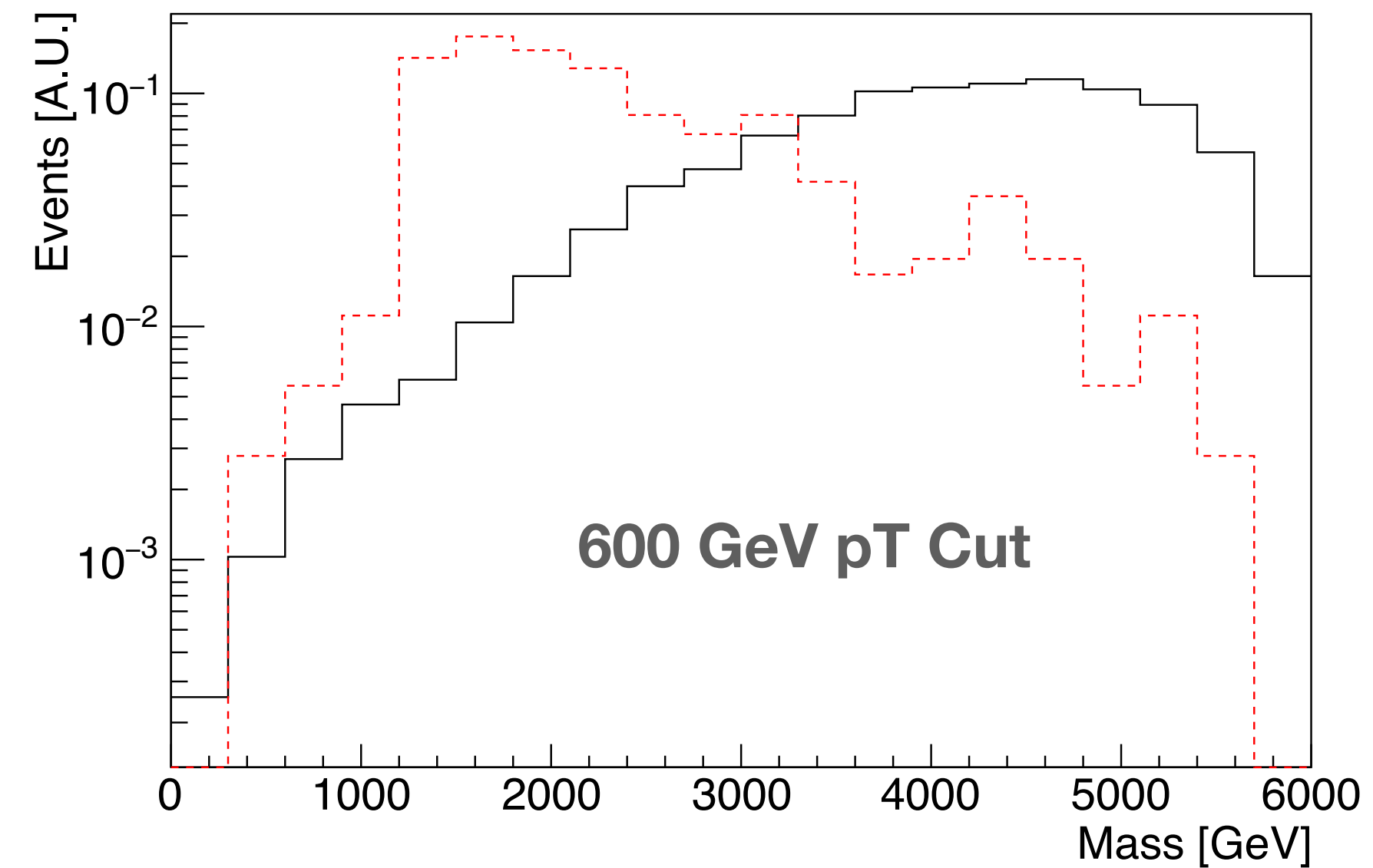
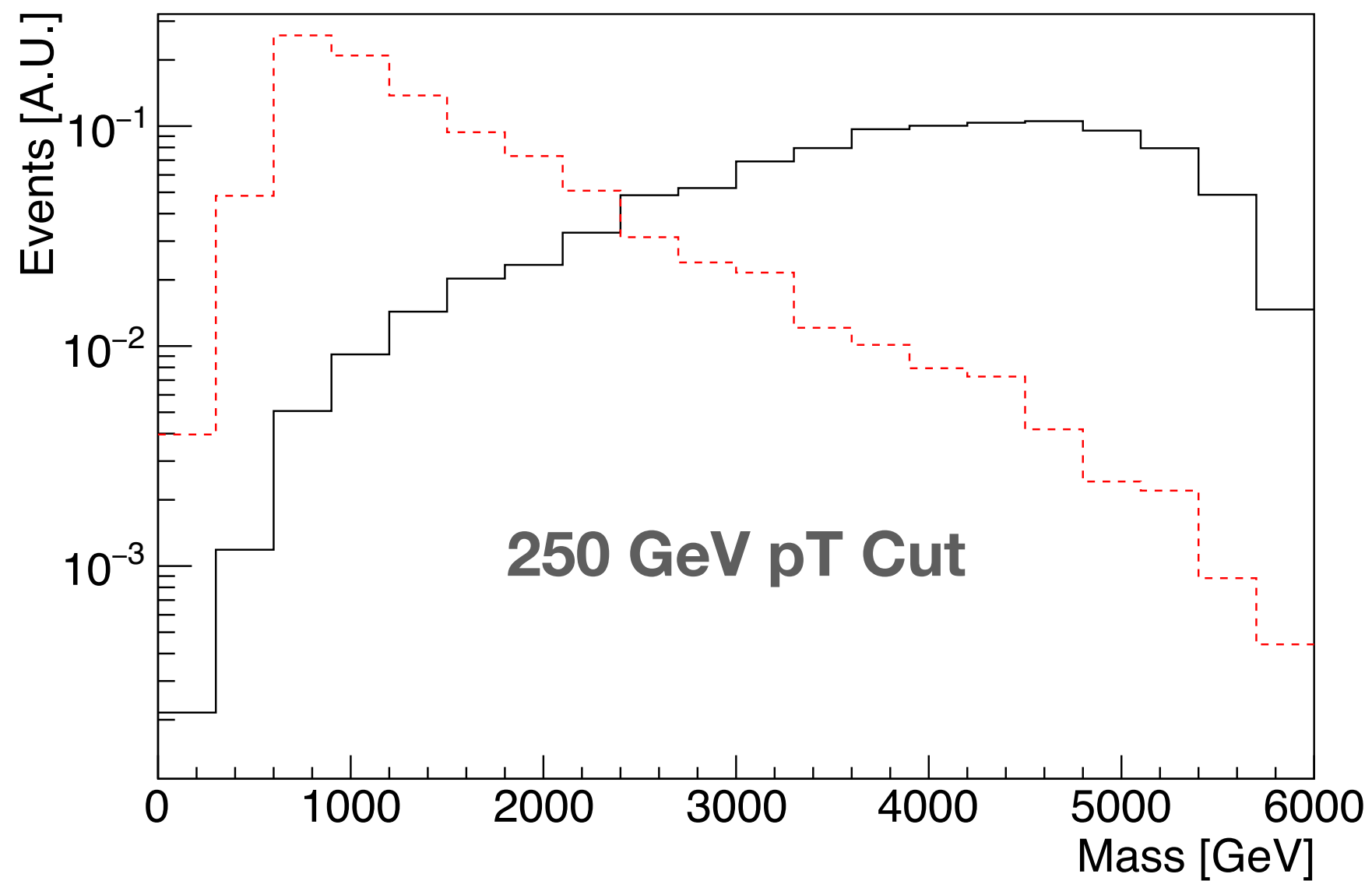
Momentum Cuts on Truth W's

Black: INT+QUAD

Red: SM



pT Cuts on Truth W's
Black: INT+QUAD
Red: SM



Truth W momentum cut (GeV)	300	500	700	1000
INT+QUAD Efficiency	98.94%	96.94%	94.39%	88.02%
SM Efficiency	32.23%	16.26%	8.95%	3.90%

Cut	Lower Limit	Upper Limit
300	-0.0149497	0.00831912
500	-0.0151563	0.00833238
700	-0.0159539	0.00838483
1000	-0.020019	0.00858007

Truth W pT cut (GeV)	250	400	600
INT+QUAD Efficiency	92.76%	86.93%	77.81%
SM Efficiency	4.54%	1.31%	0.34%

Cut (pT)	Lower Limit	Upper Limit
250	-0.0072409	0.00468749
400	-0.0064587	0.00405669
600	-0.005271	0.00359381

