

# KaonLT Meeting

May 14-15<sup>th</sup>, 2026

Richard L. Trotta

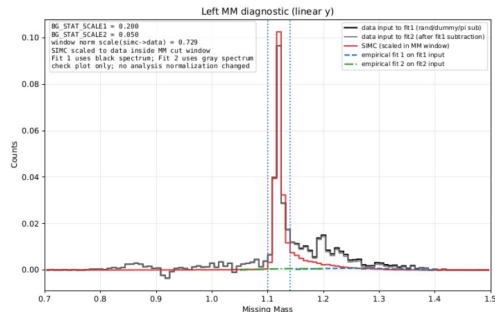
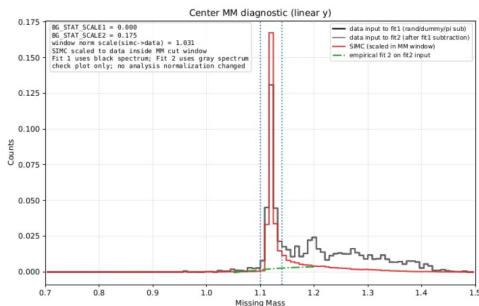
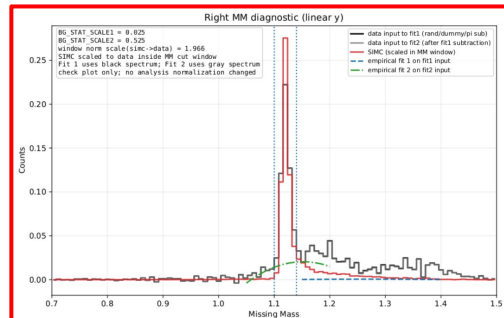
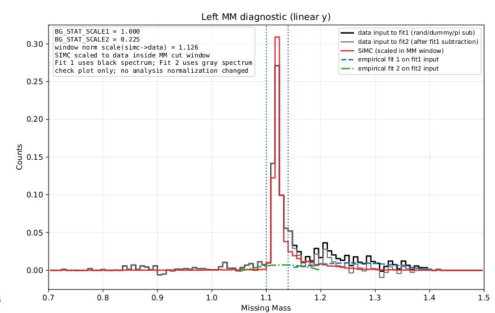
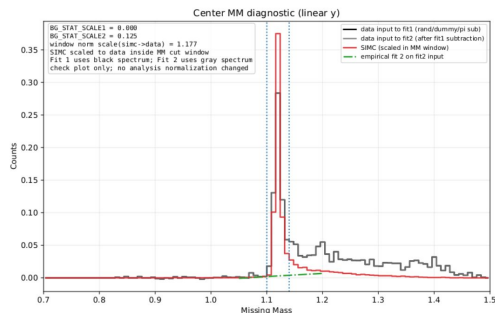
Q2=4.4, W=2.74

```

BG_OPT_METRIC_WEIGHTS = {
  "kinematic_score": 0.5,
  "ratio_rms": 0.25,
  "ratio_mean_dev": 0.15,
  "ratio_fail_count": 0.05,
  "valid_ratio_bins": 0.05,
}

```

rank	sel	bins	fail	mean_dev	rms	kin	valid	score
1	*	2t x 8phi	7	0.2453	0.3920	0.2757	22	0.1057
2		3t x 8phi	10	0.2429	0.7283	0.2730	32	0.2803
3		2t x 10phi	7	0.2909	0.4125	0.3405	26	0.3960
4		3t x 9phi	10	0.2309	0.8547	0.3739	34	0.5889
5		2t x 9phi	6	0.2596	0.4018	0.4556	24	0.6208
6		3t x 10phi	10	0.2549	0.6698	0.4193	38	0.6605

Low  $\epsilon$ High  $\epsilon$ 

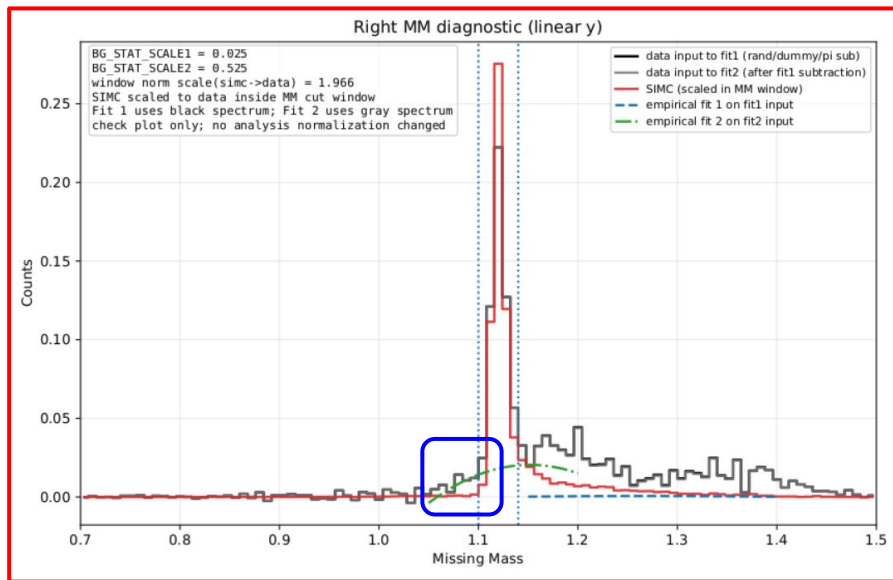
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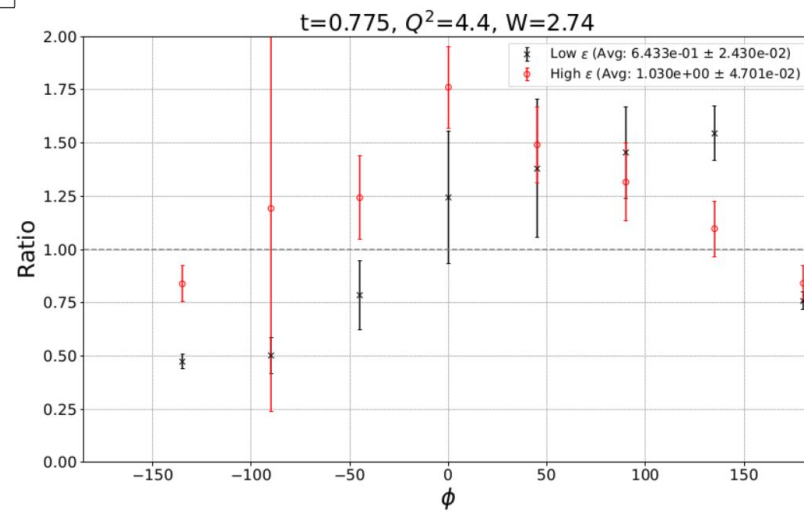
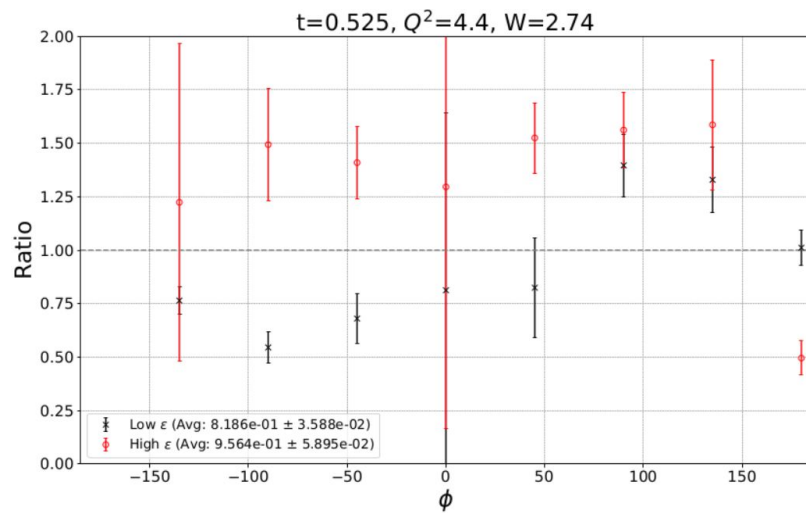
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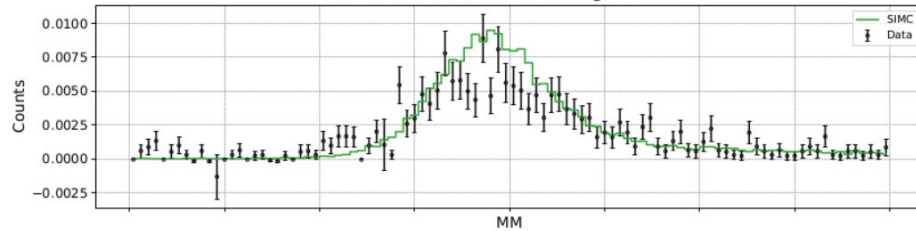
# Iteration 0



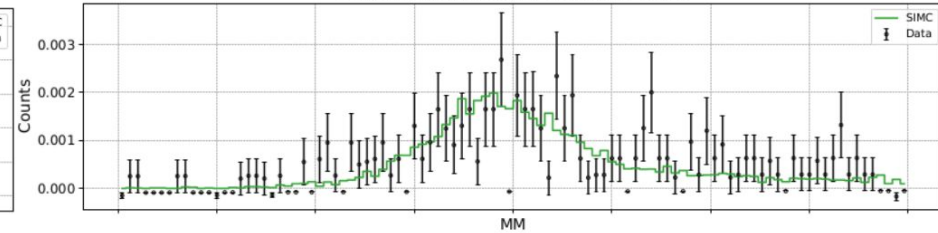
# Q2=4.4, W=2.74 Low $\epsilon$

# Iteration 0

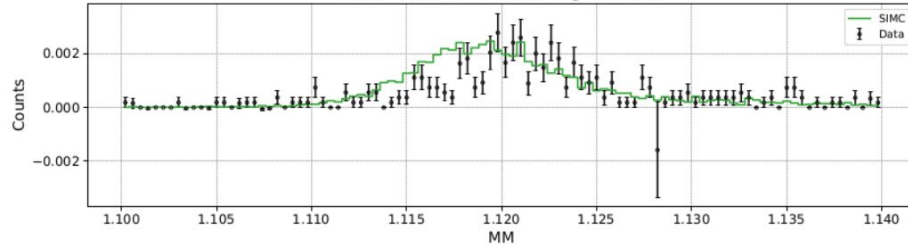
Low  $\epsilon$  Kaon MM, Center setting,  $t=0.525$



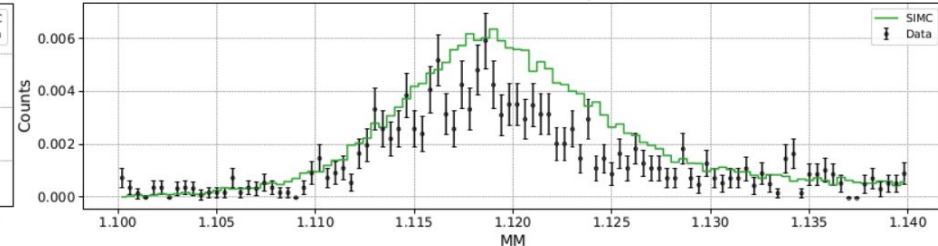
Low  $\epsilon$  Kaon MM, Center setting,  $t=0.775$



Low  $\epsilon$  Kaon MM, Left setting,  $t=0.525$

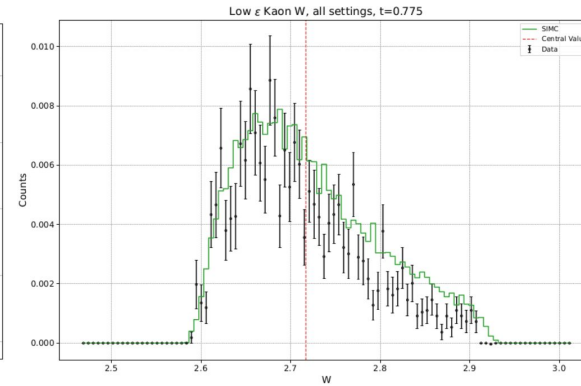
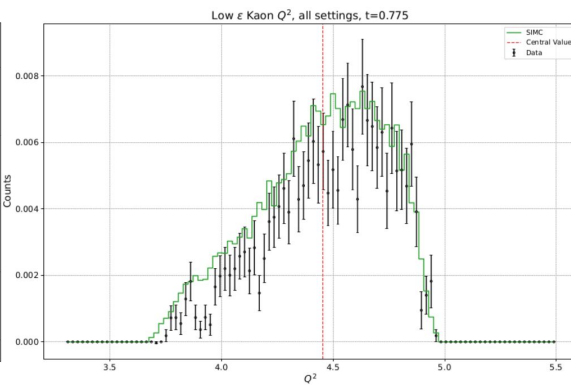
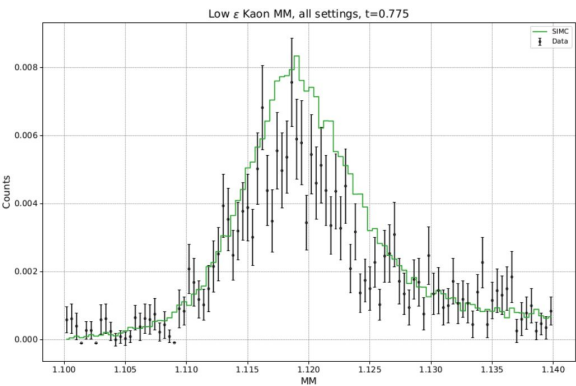
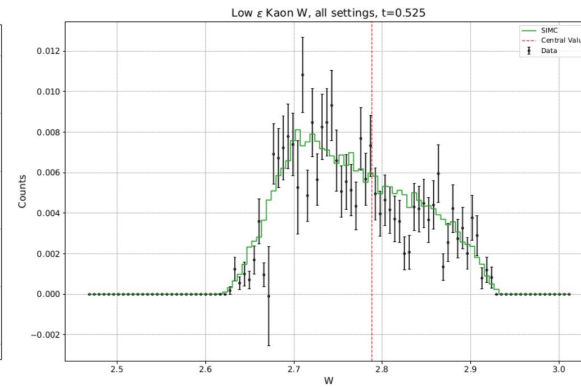
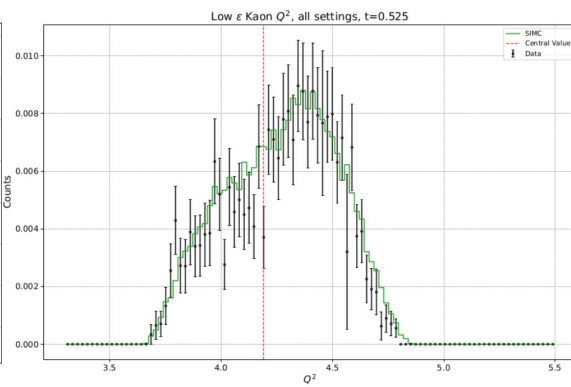
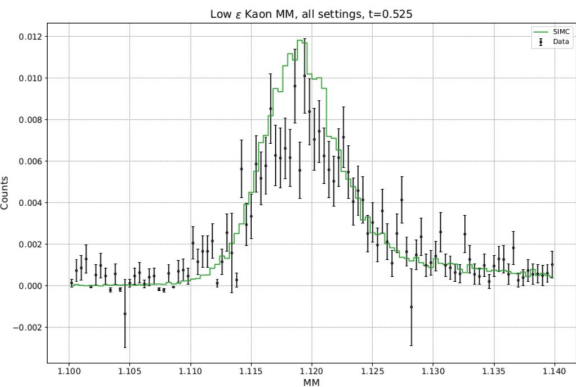


Low  $\epsilon$  Kaon MM, Left setting,  $t=0.775$



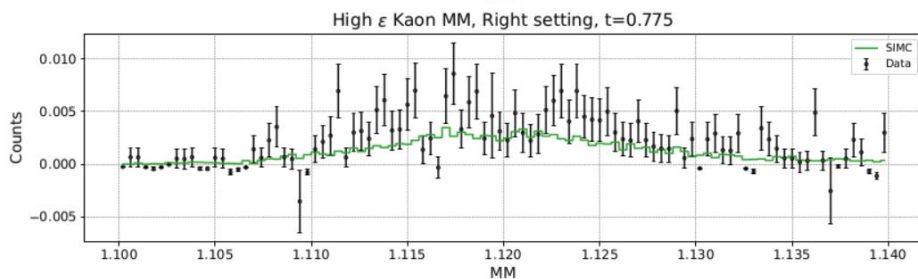
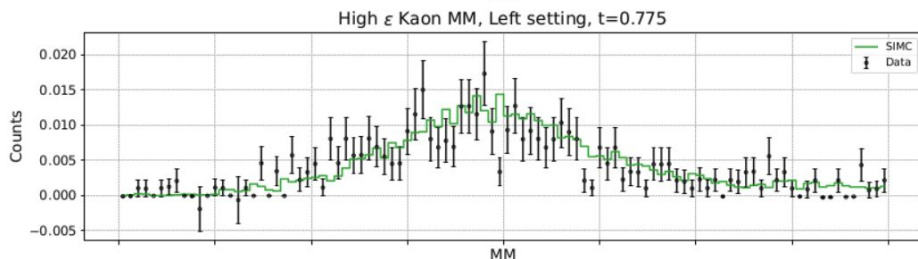
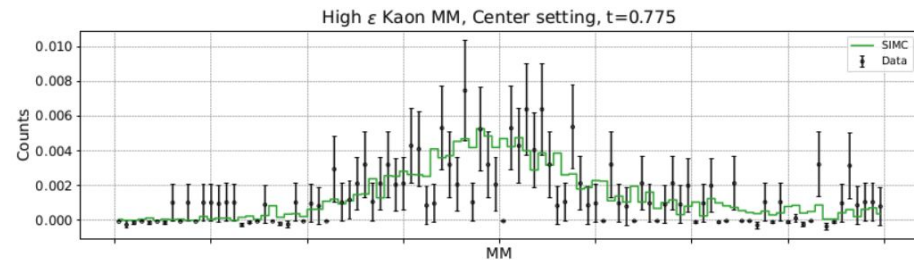
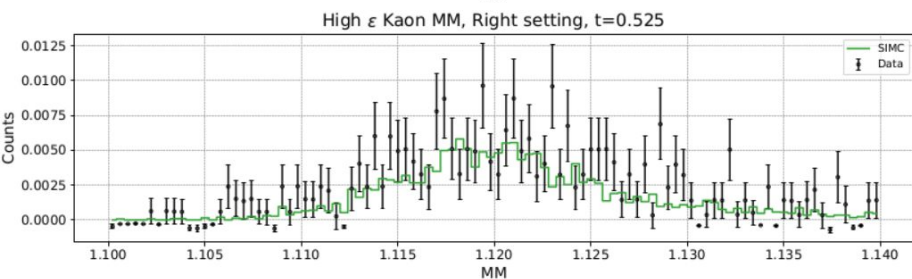
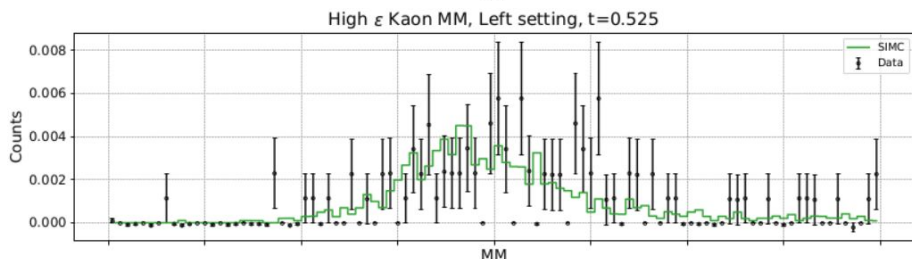
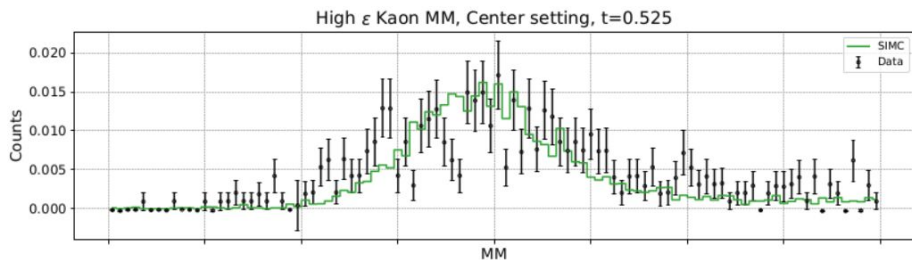
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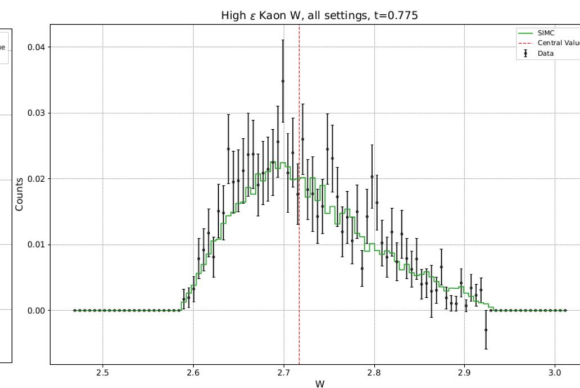
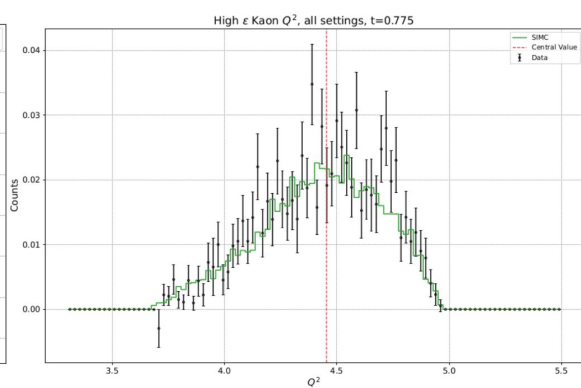
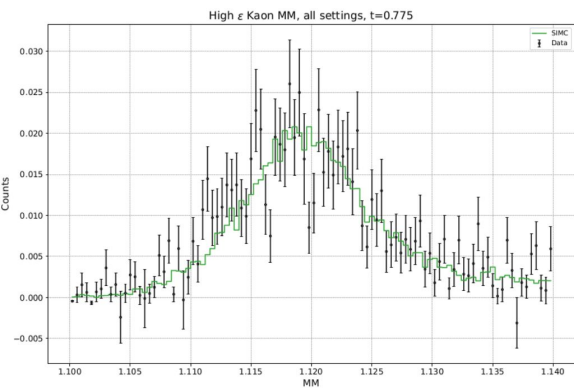
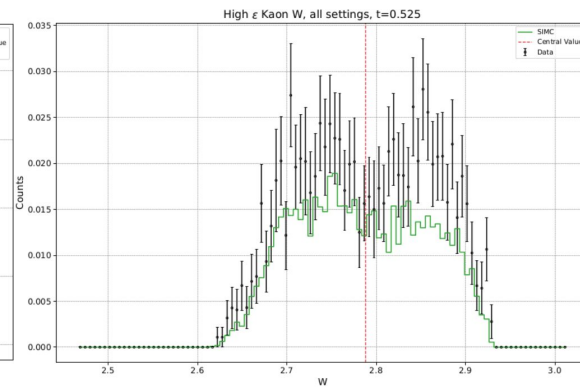
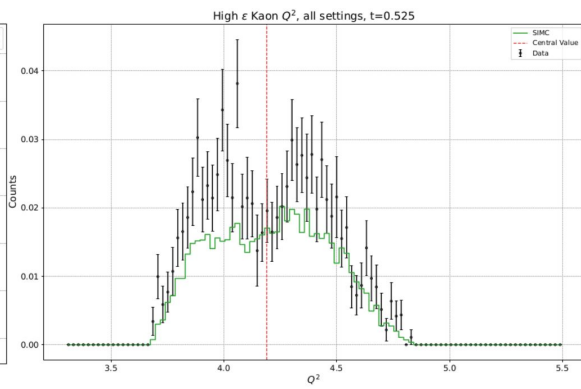
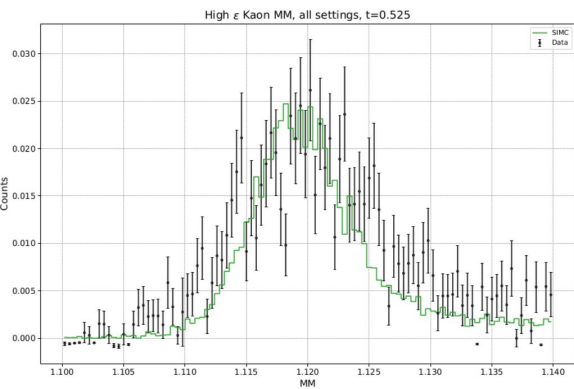
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Iteration 0



# Q2=4.4, W=2.74 High $\epsilon$

Iteration 0



EXTRA