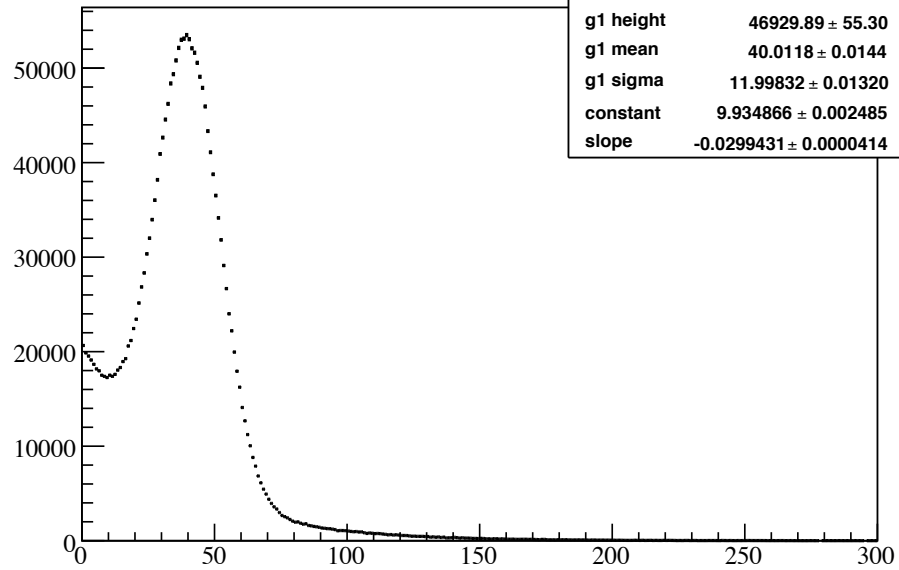


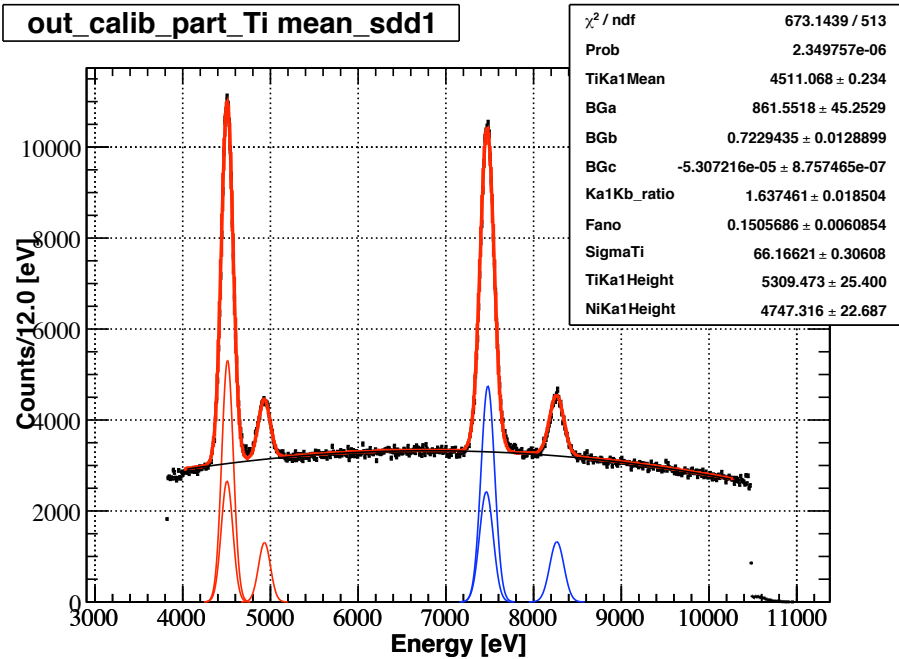
noise simulation



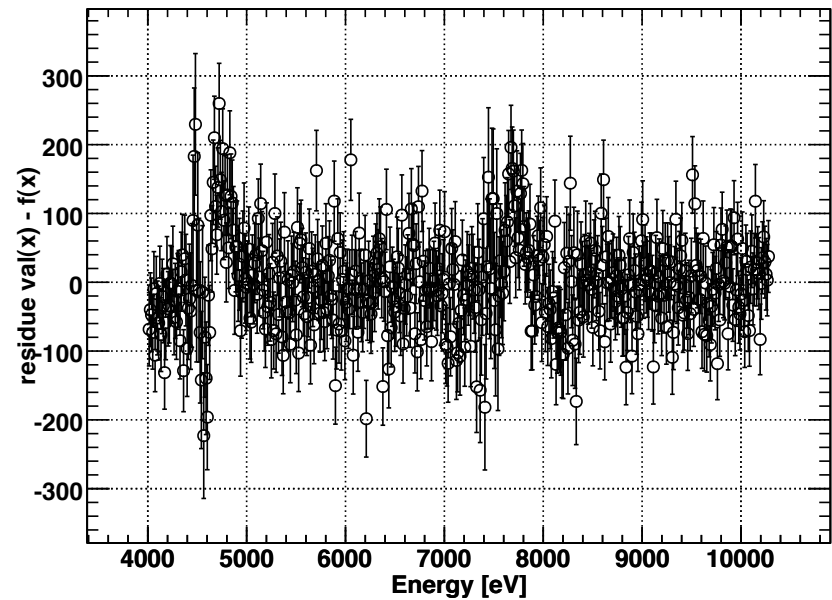
without second peak

the excess is created by the exponential tail structure

out\_calib\_part\_Ti mean\_sdd1

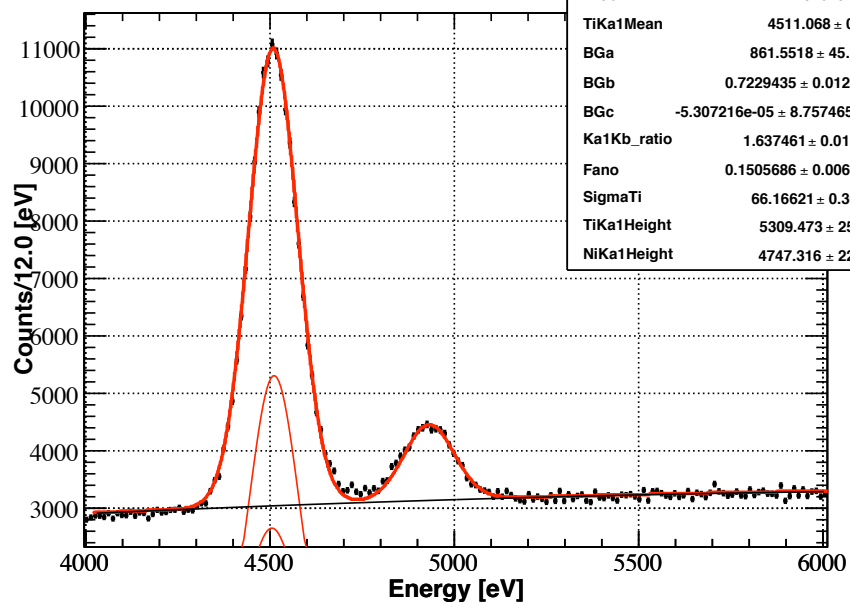


fit residue



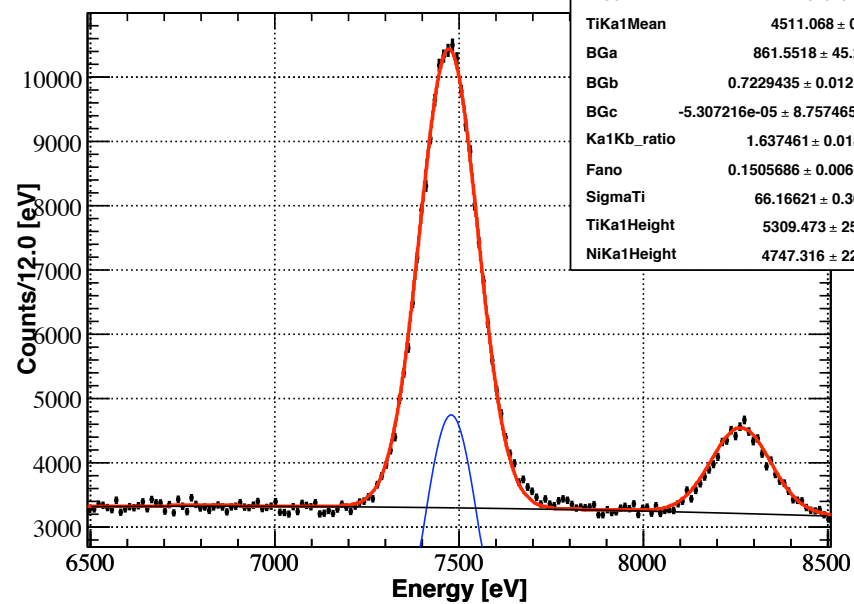
out\_calib\_part\_Ti mean\_sdd1

$\chi^2 / \text{ndf}$	673.1439 / 513
Prob	2.349757e-06
TiKa1Mean	4511.068 ± 0.234
BGa	861.5518 ± 45.2529
BGb	0.7229435 ± 0.0128899
BGc	-5.307216e-05 ± 8.757465e-07
Ka1Kb_ratio	1.637461 ± 0.018504
Fano	0.1505686 ± 0.0060854
SigmaTi	66.16621 ± 0.30608
TiKa1Height	5309.473 ± 25.400
NiKa1Height	4747.316 ± 22.687

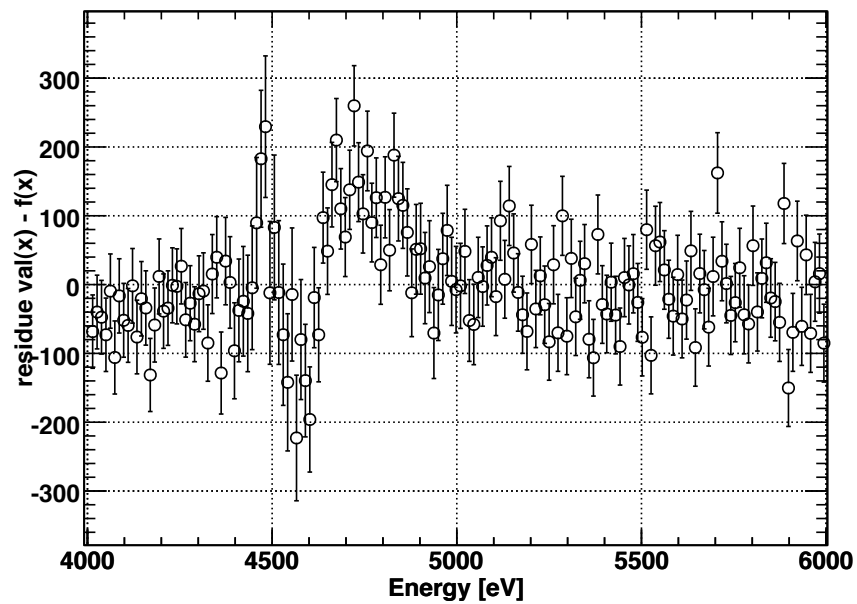


out\_calib\_part\_Ti mean\_sdd1

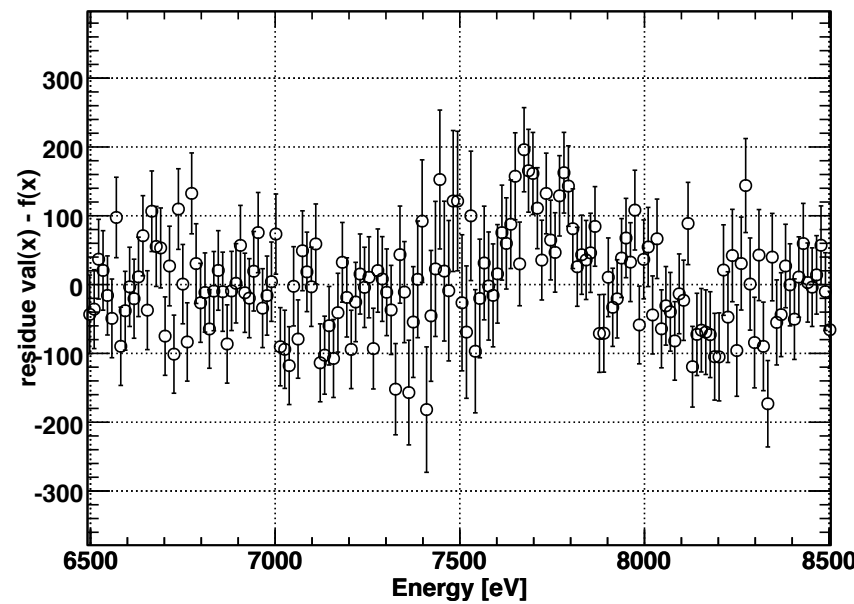
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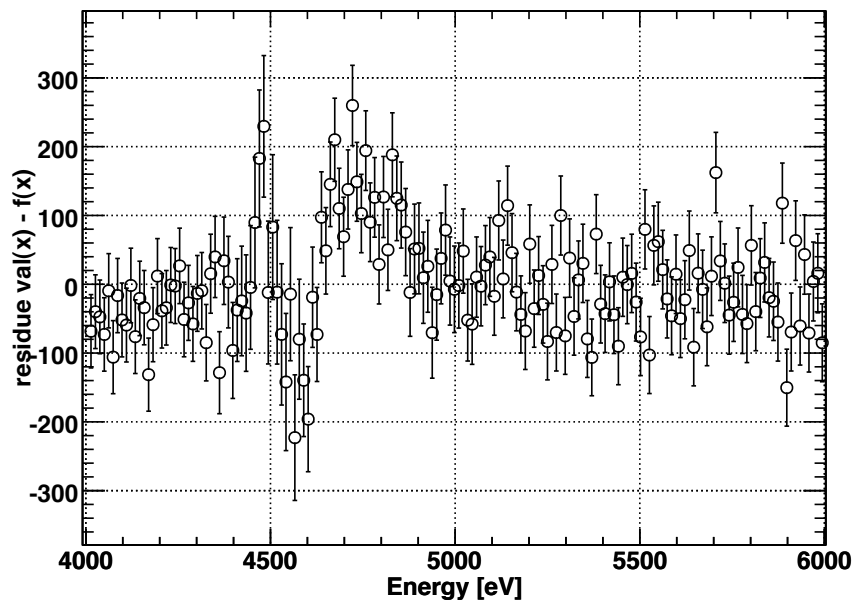
fit residue



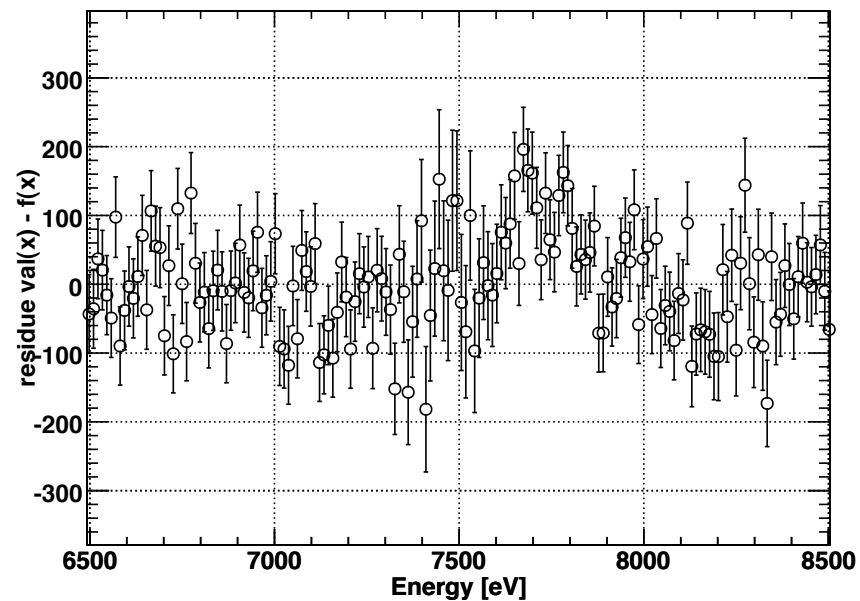
fit residue



fit residue

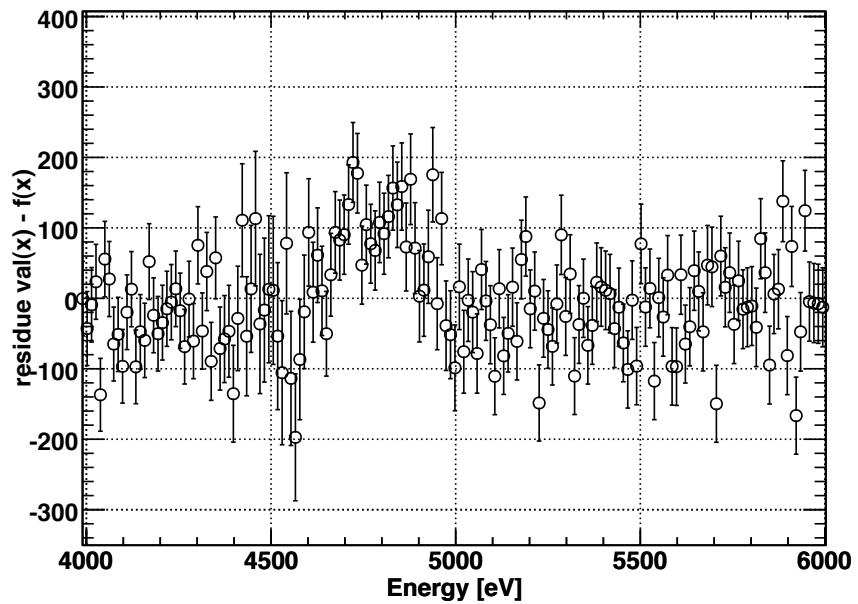


fit residue

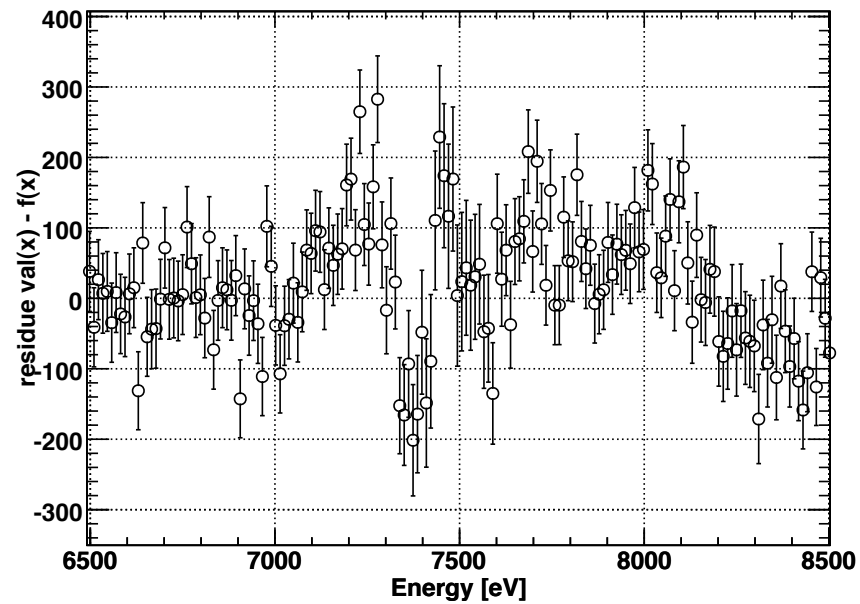


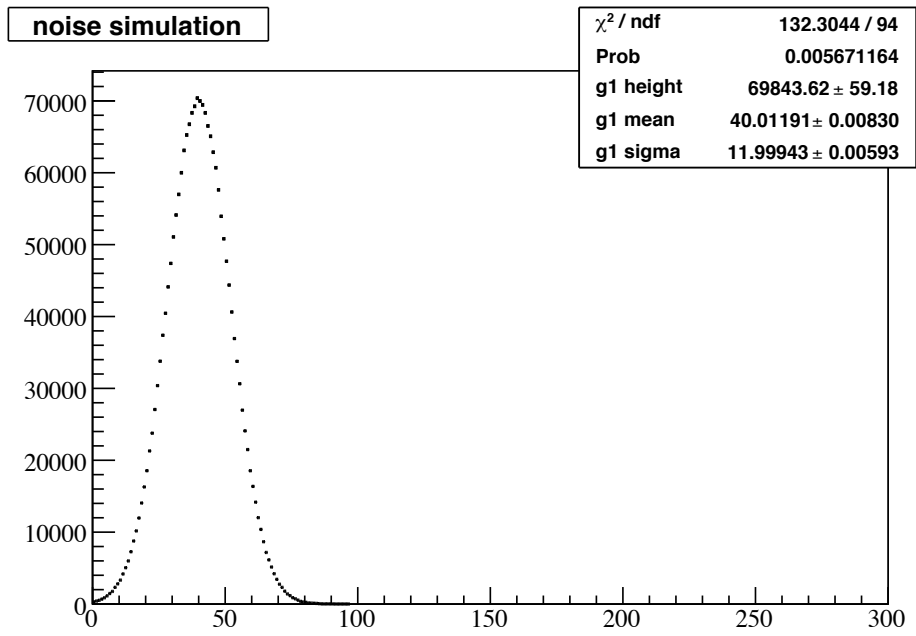
simulation

fit residue

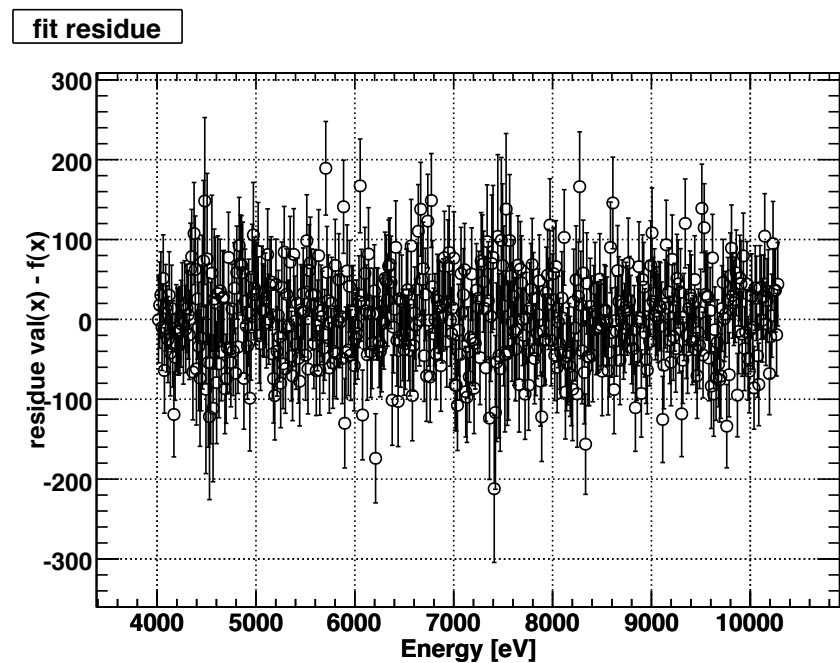
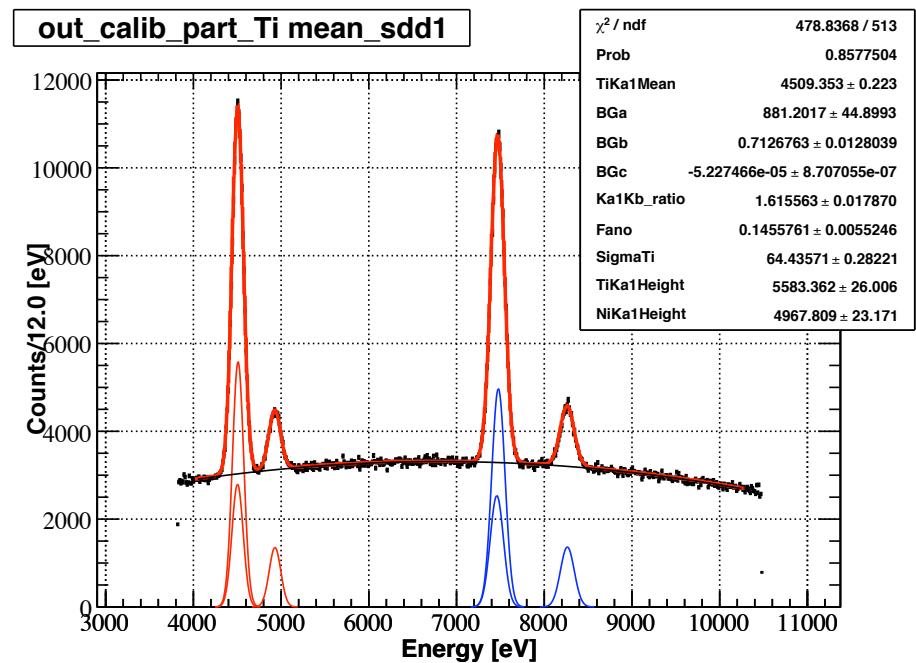


fit residue

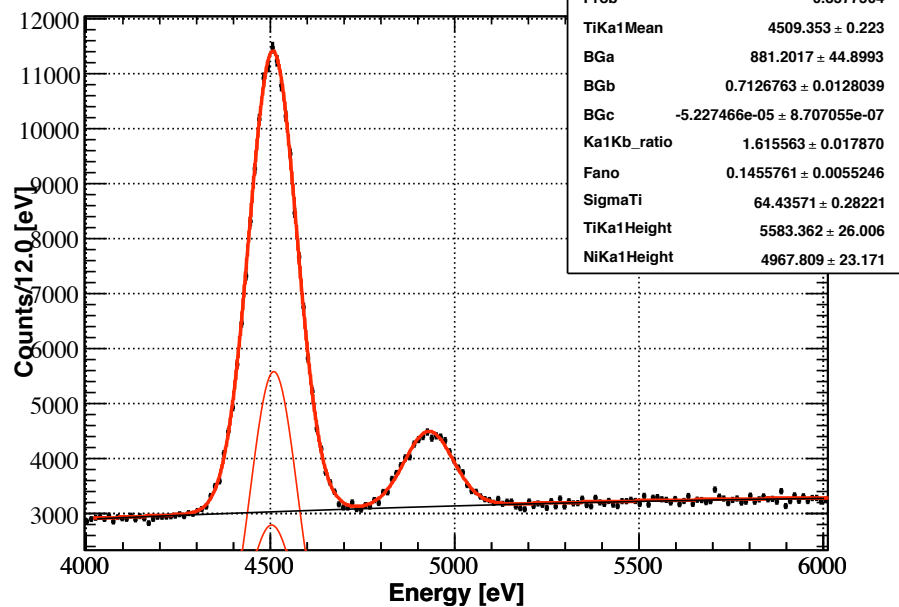




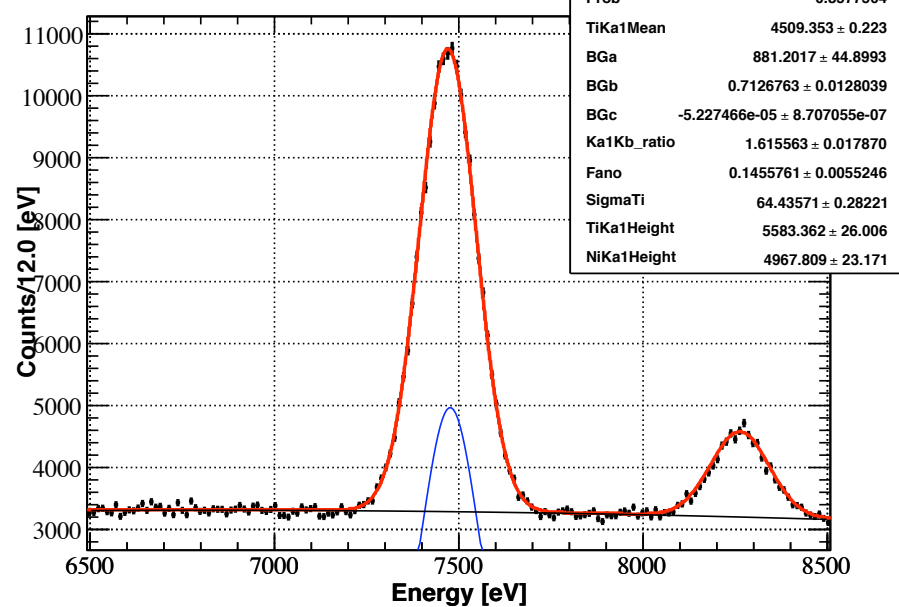
without exponential tail  
 spectrum has no excess  
 between Ka and Kb



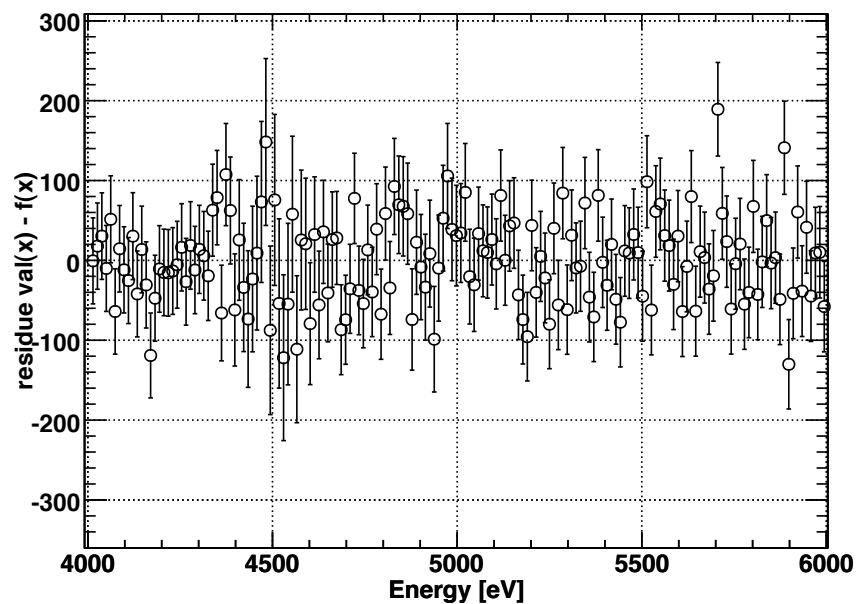
out\_calib\_part\_Ti\_mean\_sdd1



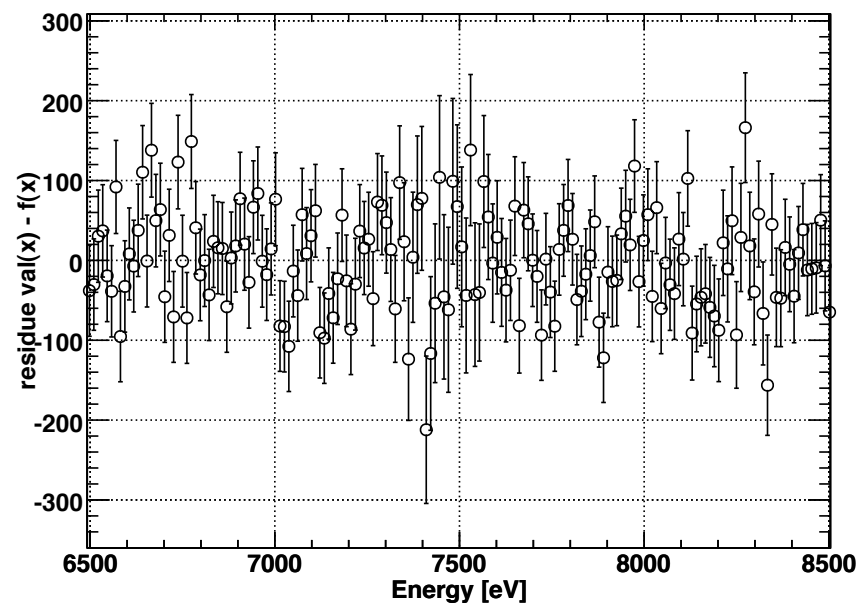
out\_calib\_part\_Ti\_mean\_sdd1



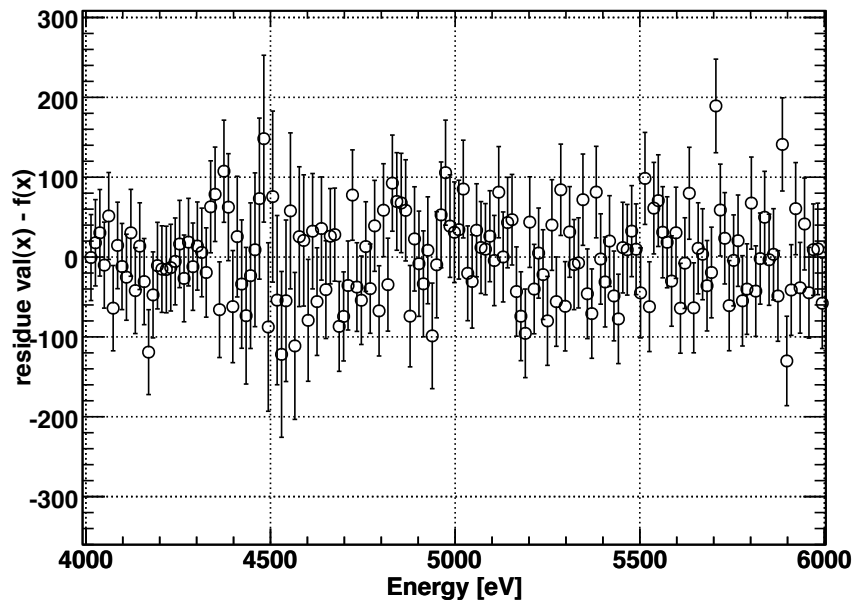
fit residue



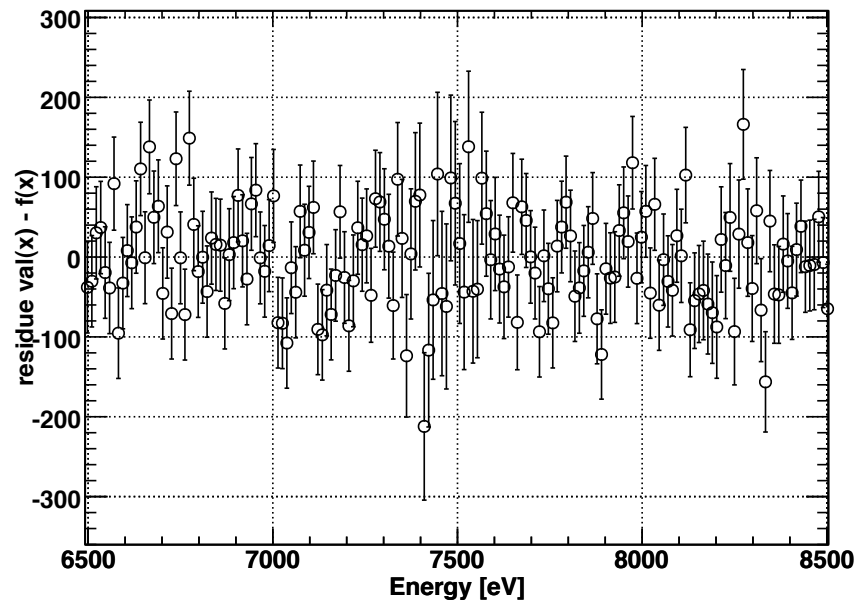
fit residue



fit residue

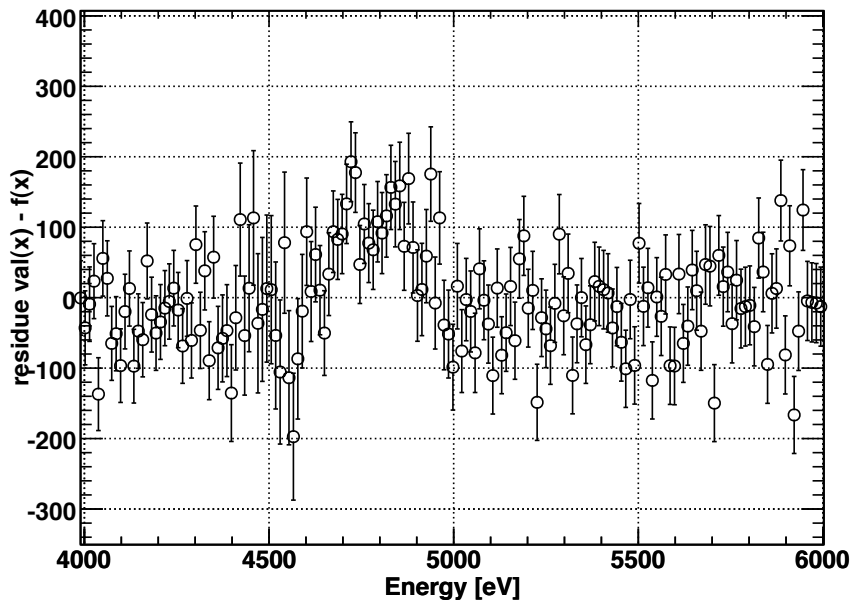


fit residue



simulation

fit residue



fit residue

