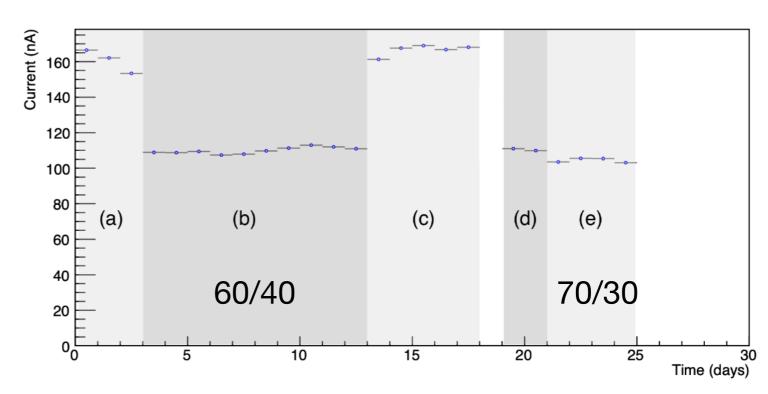
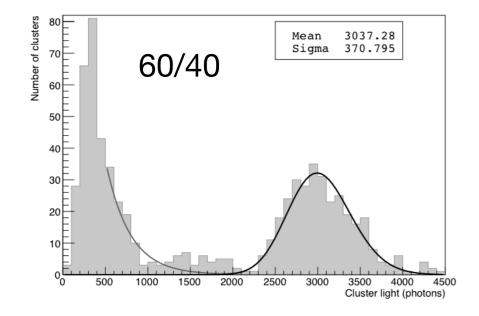
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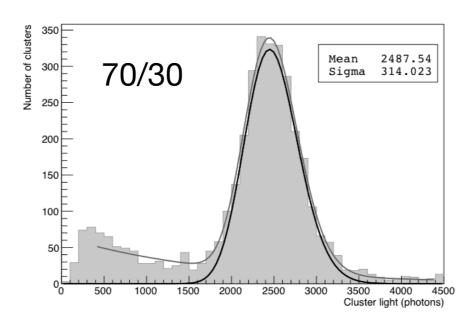
Paper on 70/30 vs 60/40

The idea is to compare performance of the two mixtures in the same gain configuration (b) and (e)

Period	Gas Proportion	Pb	⁵⁵ Fe	Collimator	Avg. Current
	(He/CF ₄)	Shielding	Source		(nA)
(a)	60/40	No	No	No	164 ± 2
(b)	60/40	Yes	No	No	110 ± 1
(c)	60/40	Yes	Yes	No	168 ± 2
(d)	60/40	Yes	Yes	Yes	110 ± 1
(e)	70/30	Yes	Yes	Yes	104 ± 2







18% lower light yield for 70/30 and similar energy resolution

 514 ± 63 detected photons per keV

 420 ± 53 detected photons per keV

Paper on 70/30 vs 60/40

18% lower light yield for 70/30 and similar energy resolution

The GEM scintillation in He–CF₄, Ar–CF₄, Ar–TEA and Xe–TEA mixtures

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