

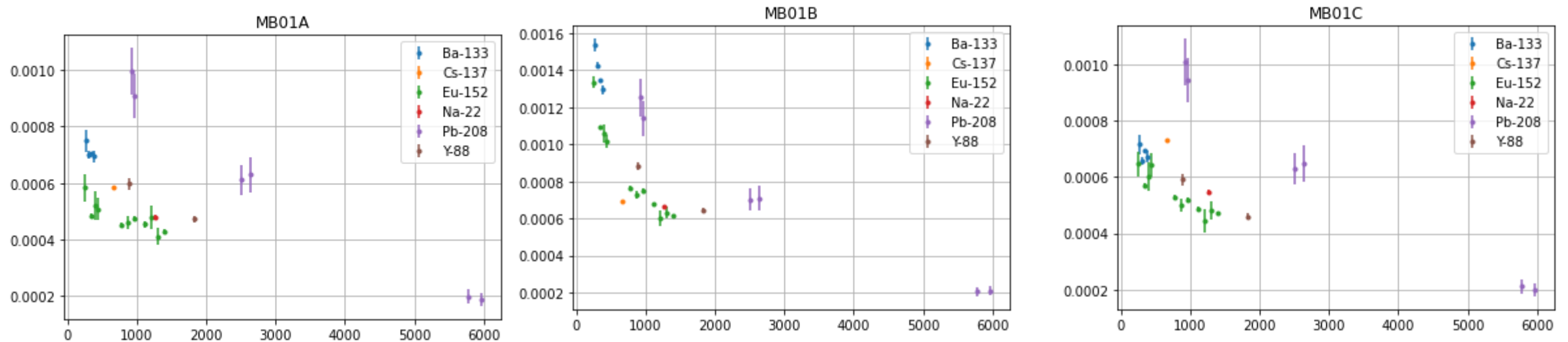
Update muX meeting 02/06

Michael Heines

Solving efficiency problems?

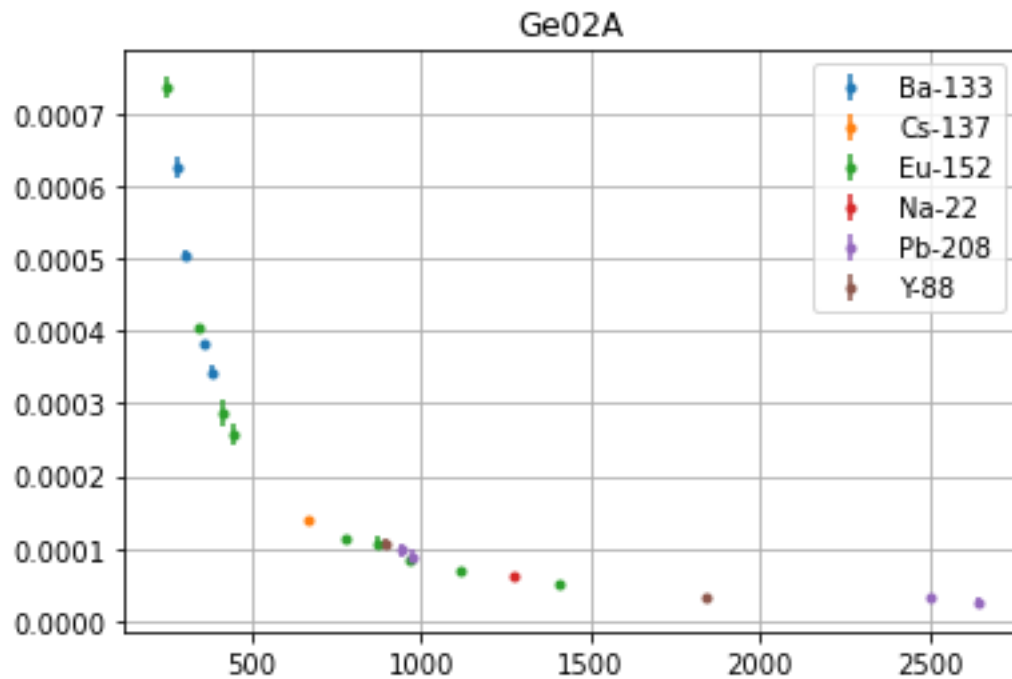


Efficiency of array – MB01

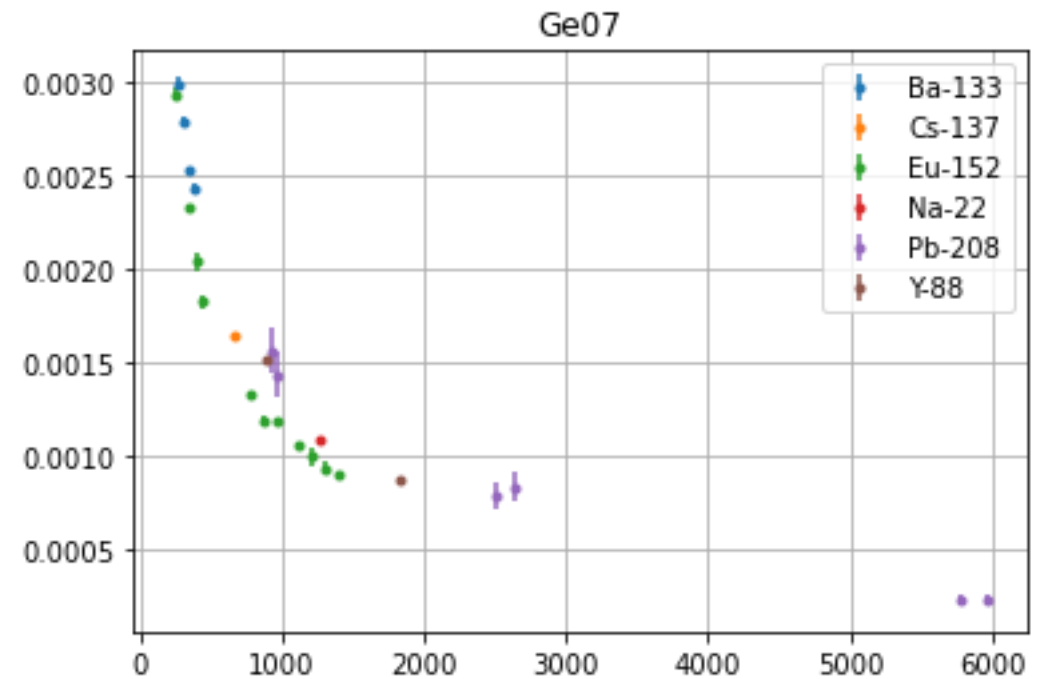


Efficiency of array – other detectors

No discrepancy

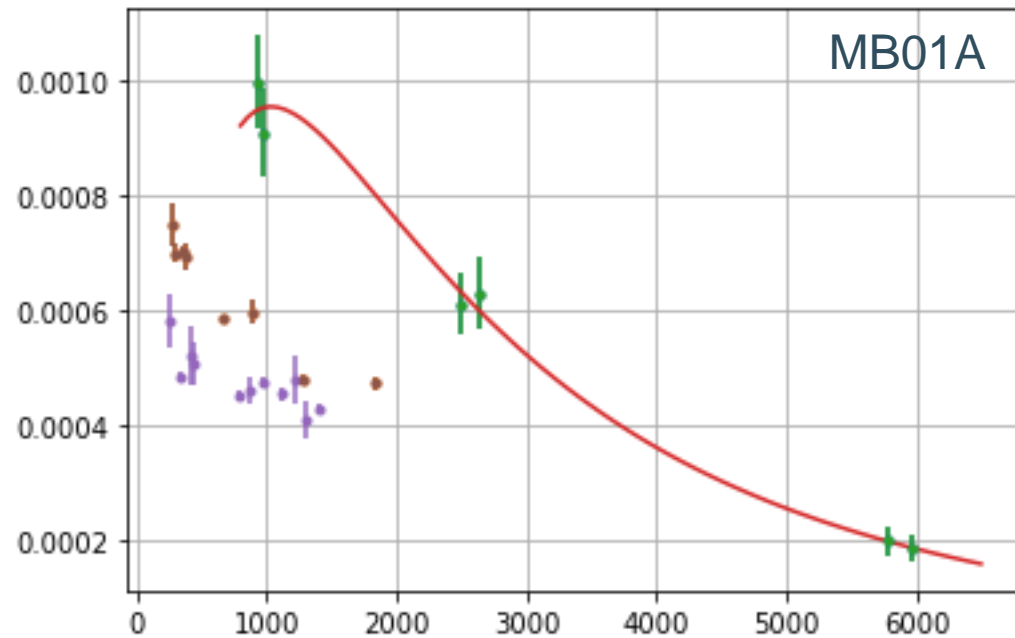


Small discrepancy

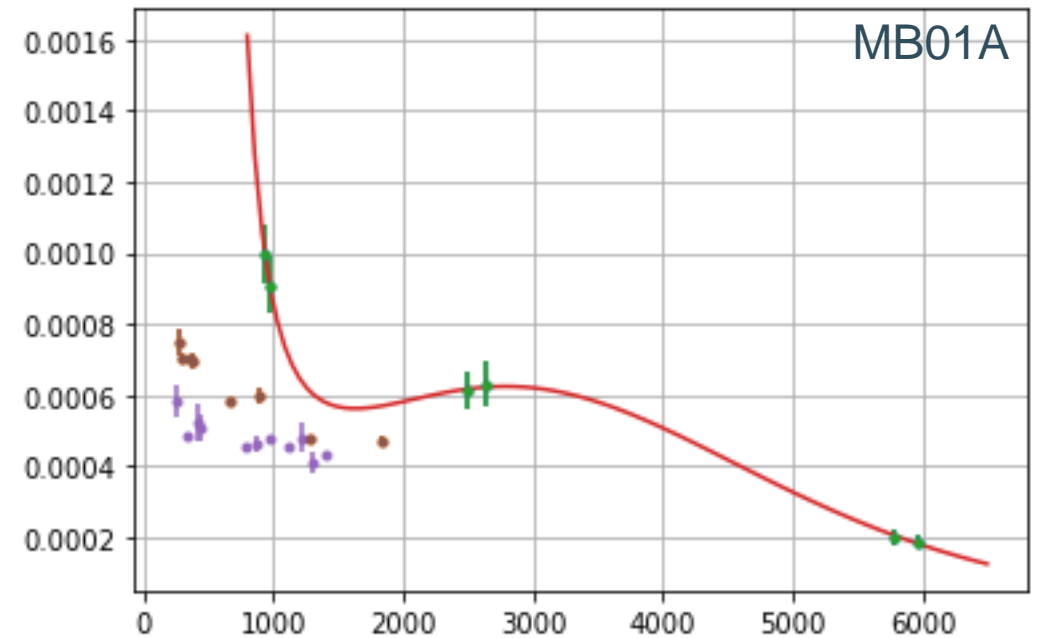


Lead rescaling

Up to $\log(E)^2$



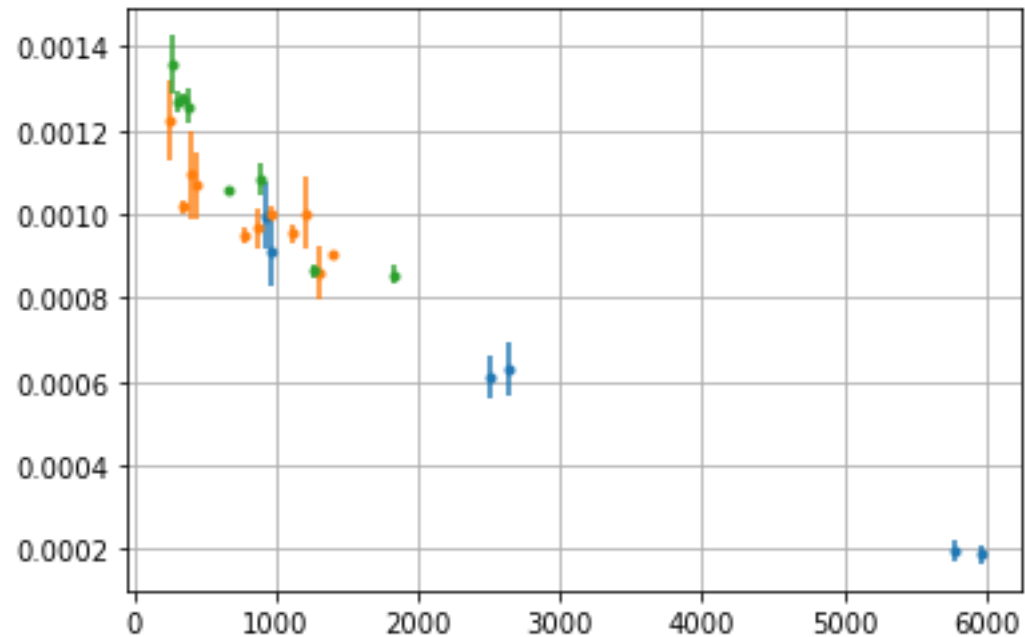
Up to $\log(E)^3$



Fit peaks from Pb, Eu, and others separately and rescale to value of Pb at 1 MeV

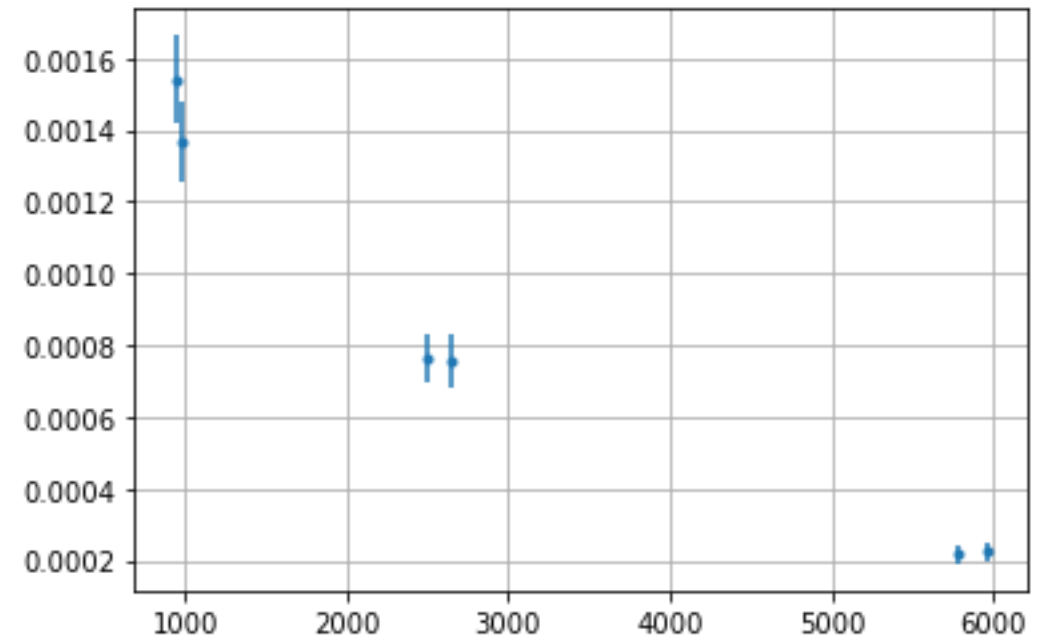
Rescaled efficiency

MB01A



Fit up to $\log(E)^3$ term

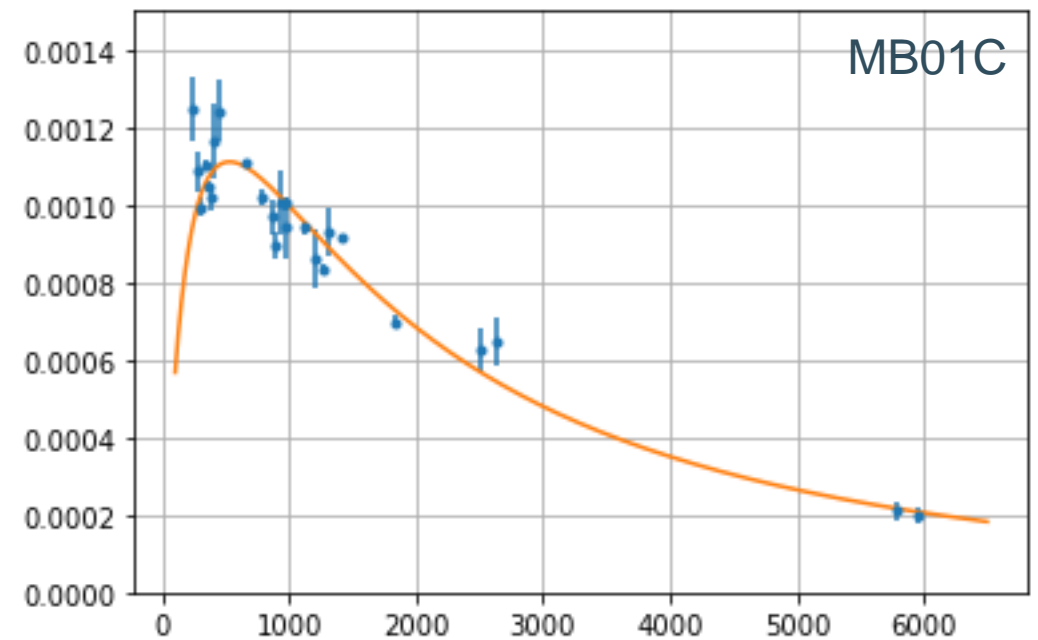
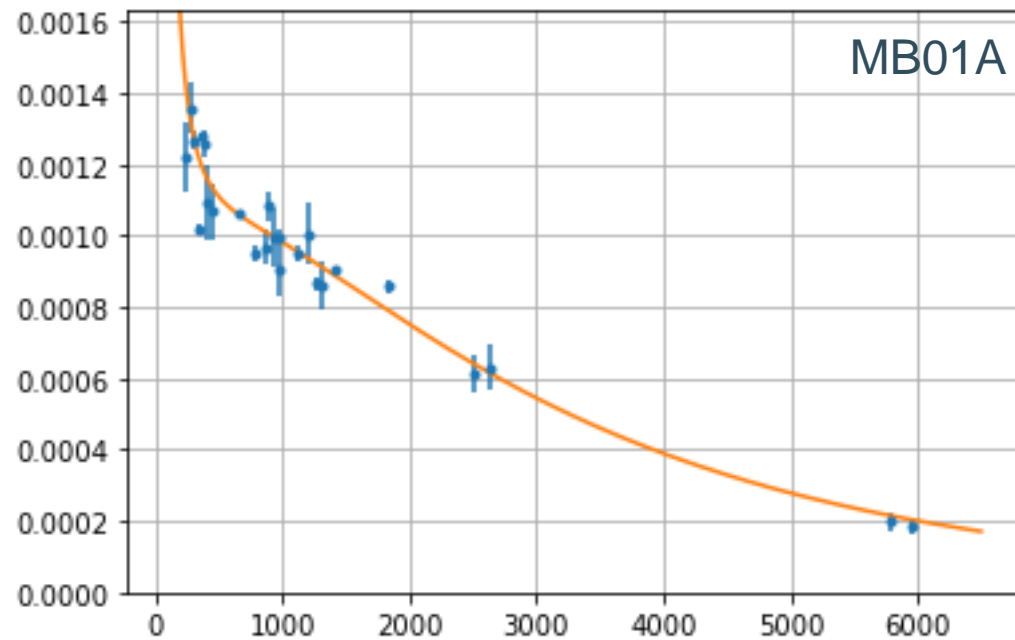
Ge06 → Died before efficiency measurements with conventional sources



Fit up to $\log(E)^2$ term

Fit rescaled efficiency

Unphysical at low energy \rightarrow Good in regions of interest (700 keV, 1.1 MeV, 6 MeV)



Fit rescaled efficiency

