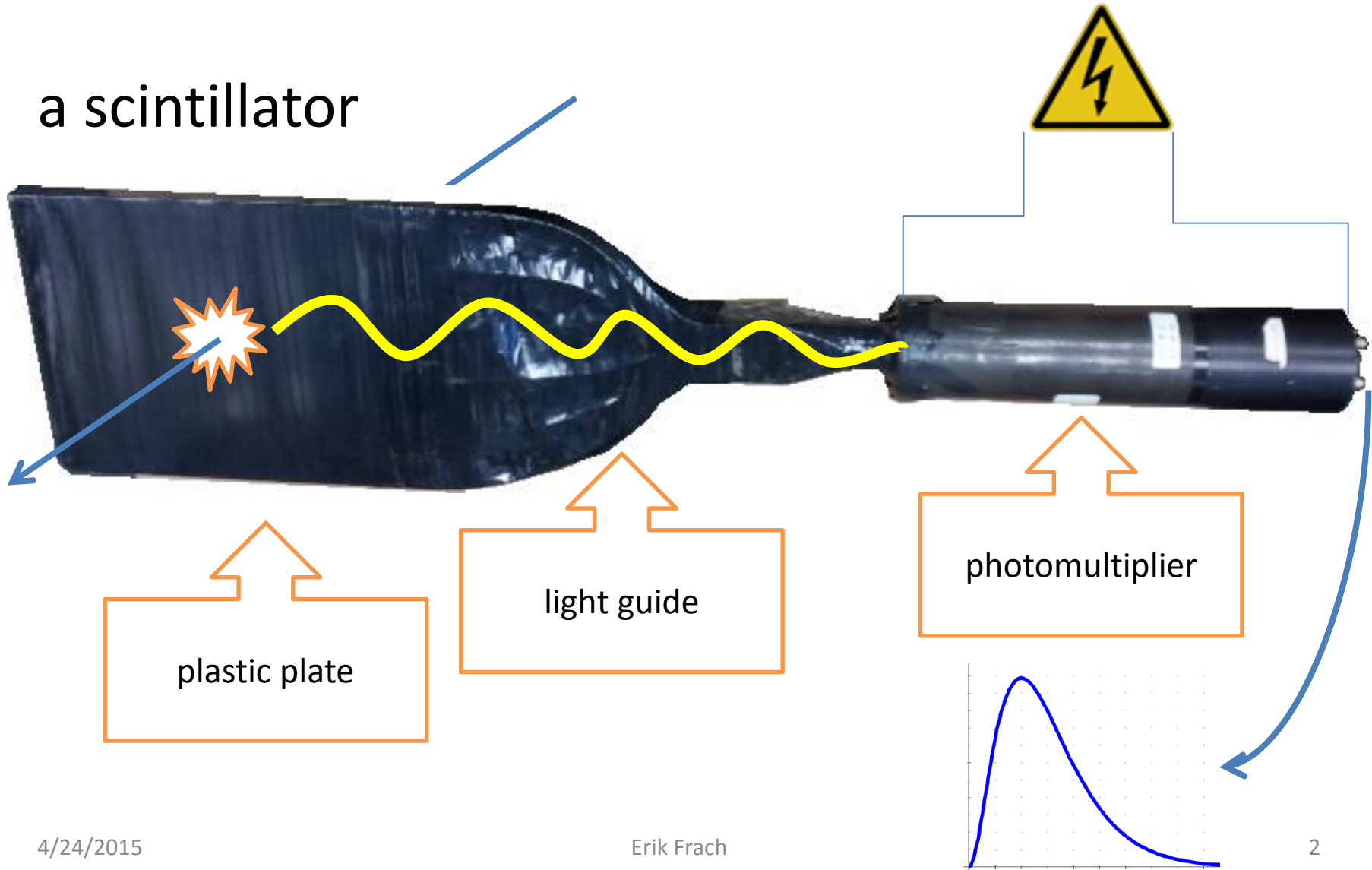




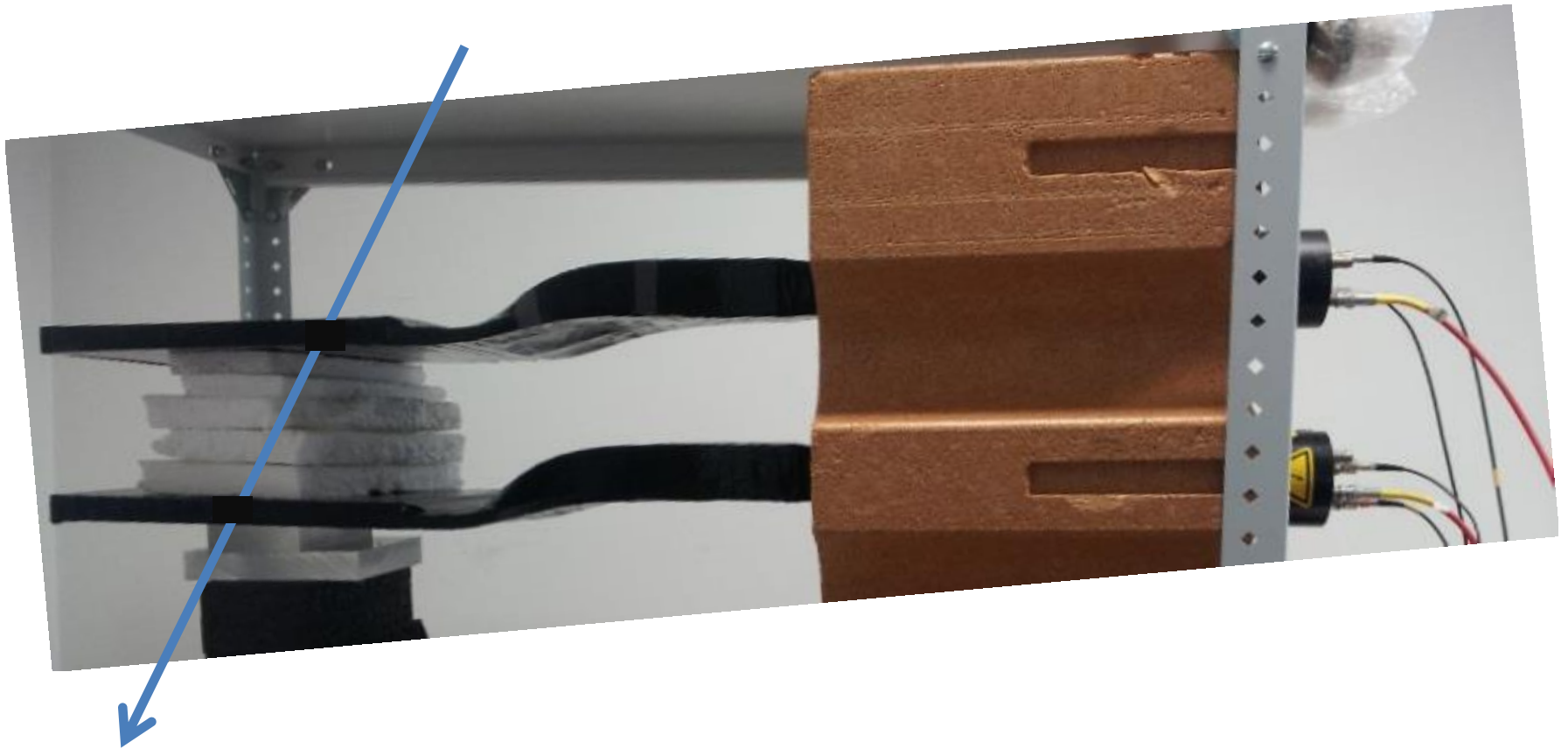
Muon Physics

Results and Potential of a Simple Scintillator Setup

A what...?



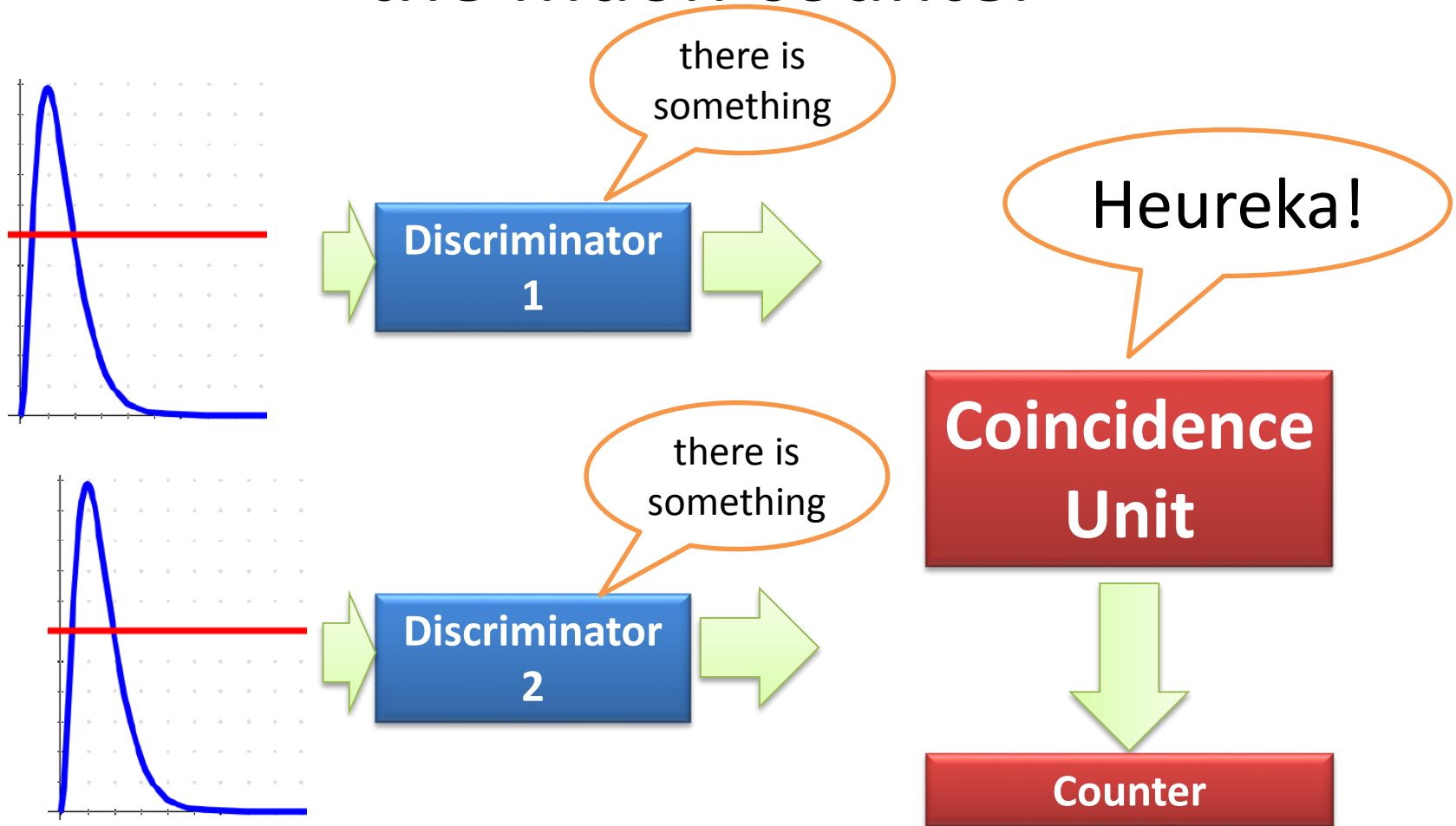
the hunt for muons: coinciding events



the hunt for a muon

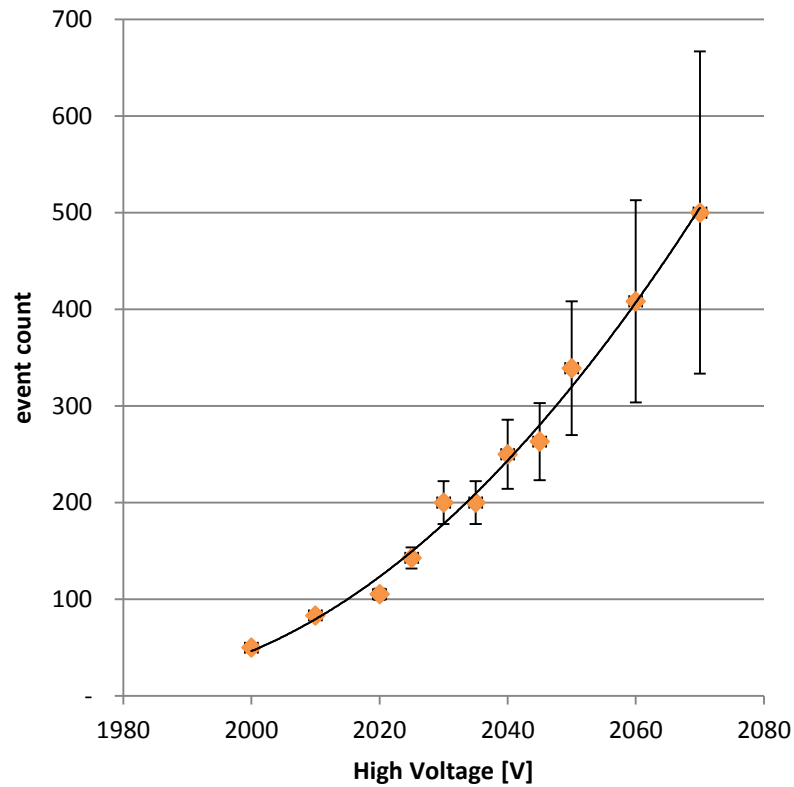


From analogue signals to the muon counter

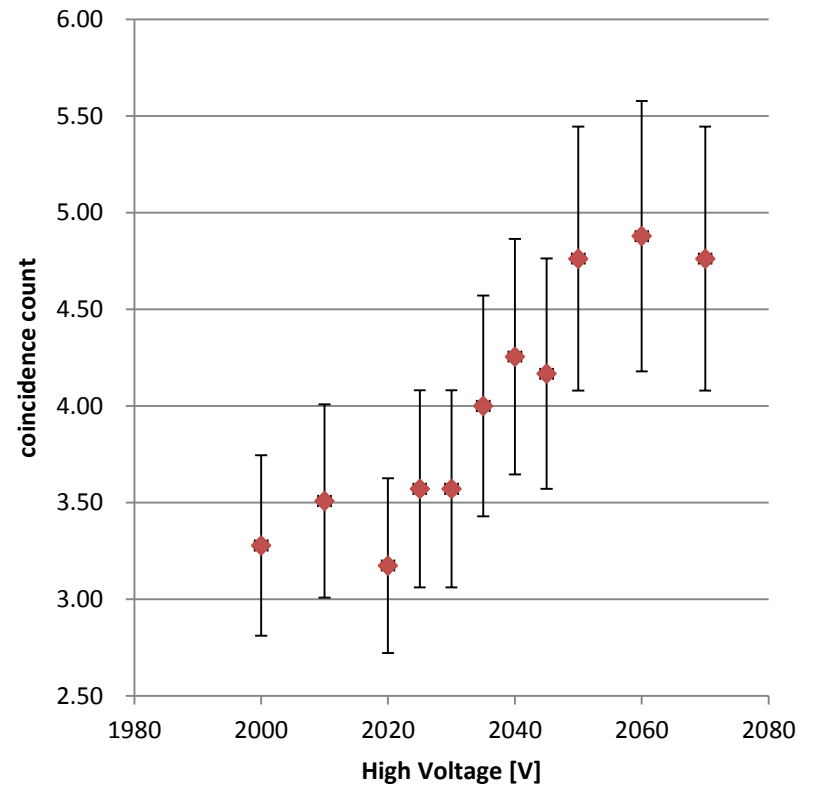


calibration

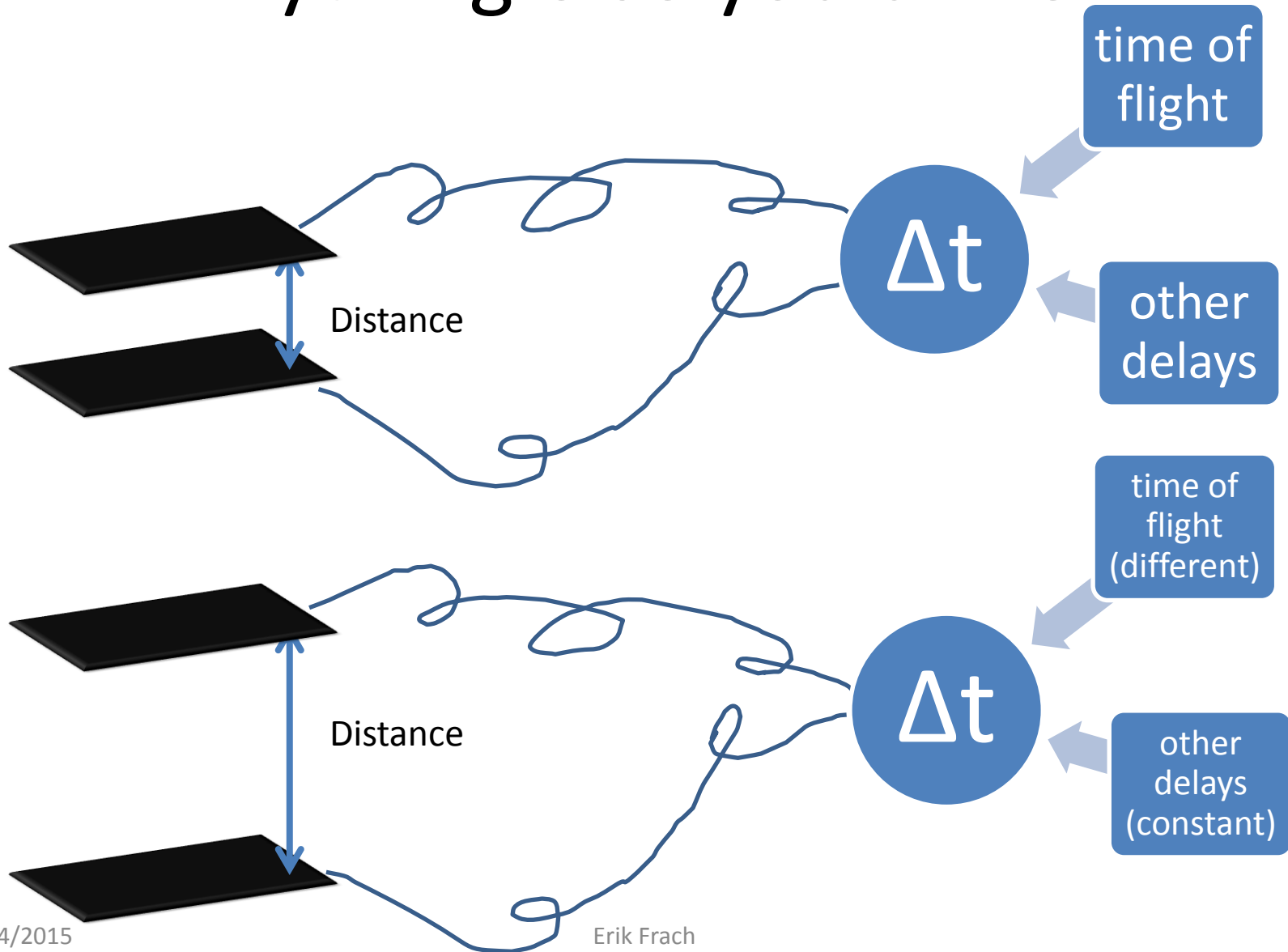
number of events



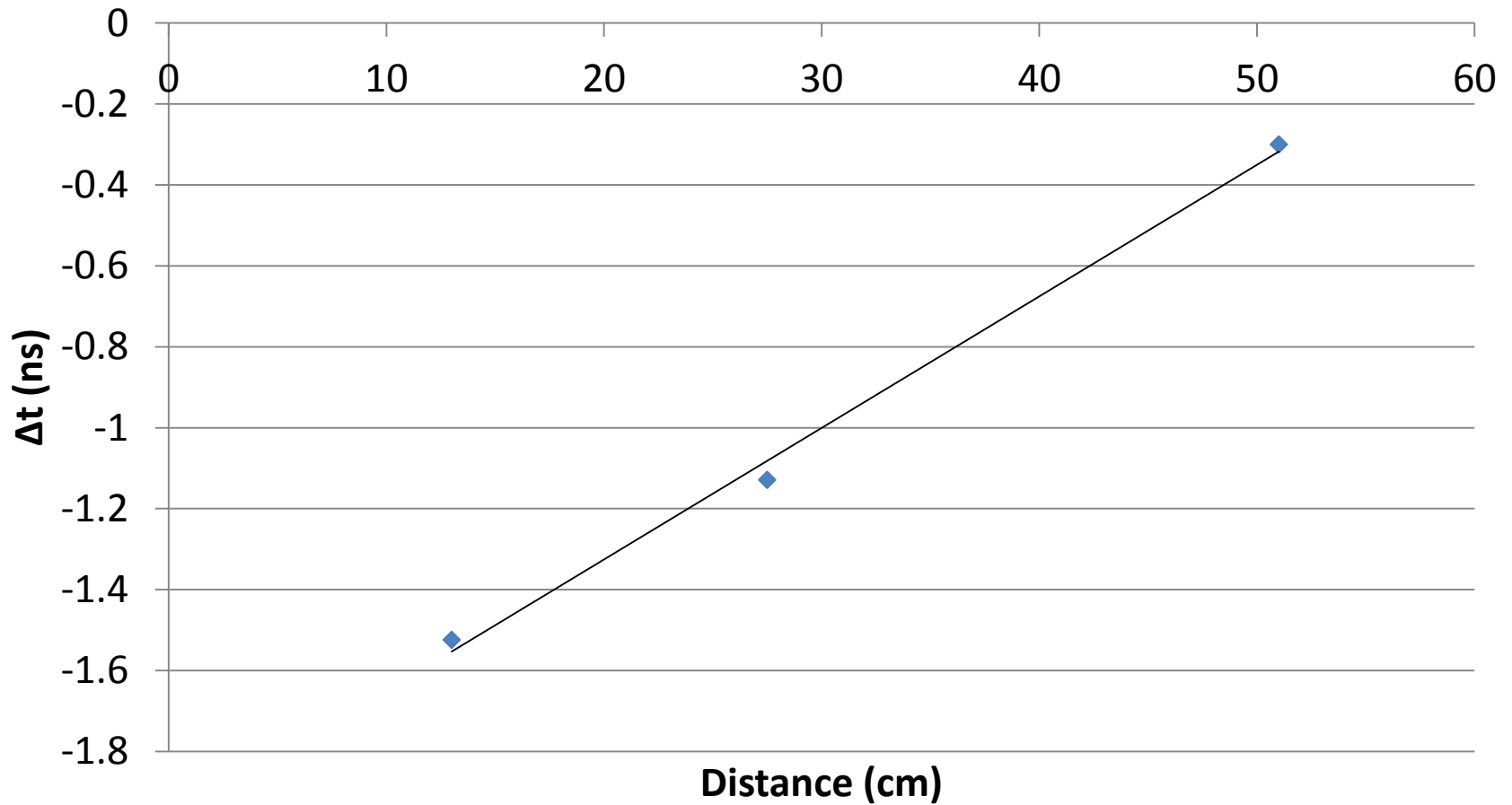
number of coincidence signals



Anything else you'd like?

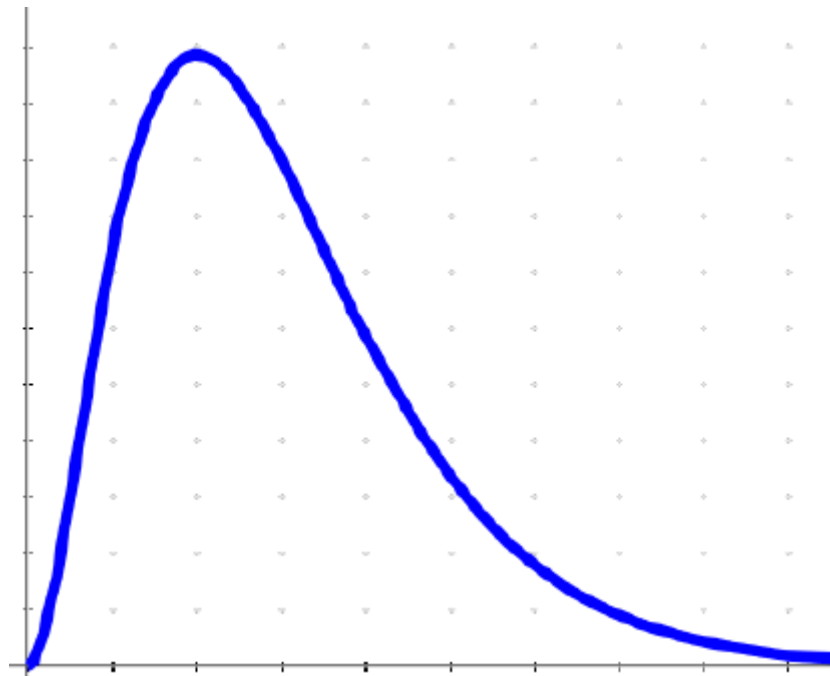


Time of flight

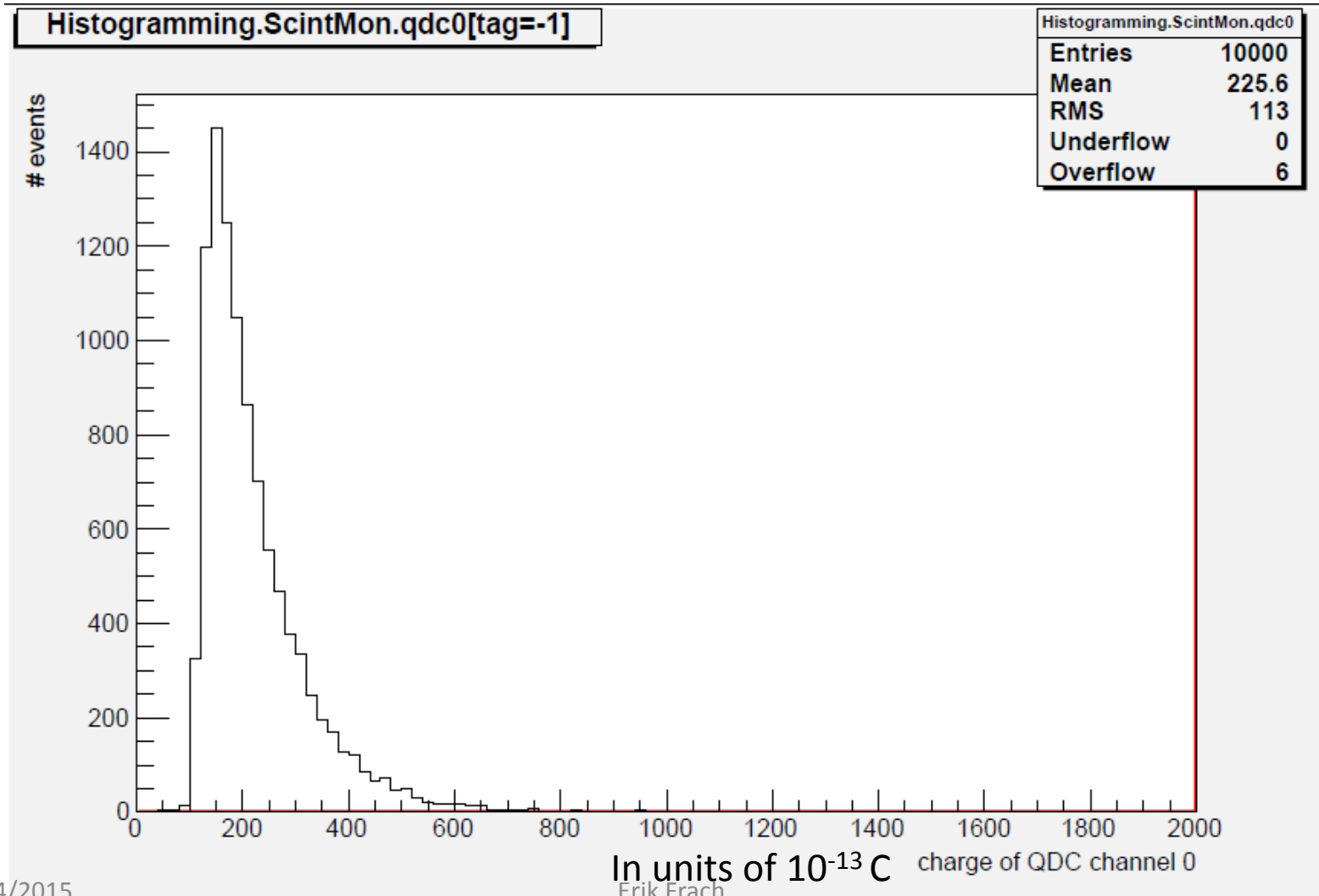


$v \approx 30.8$ cm/ns

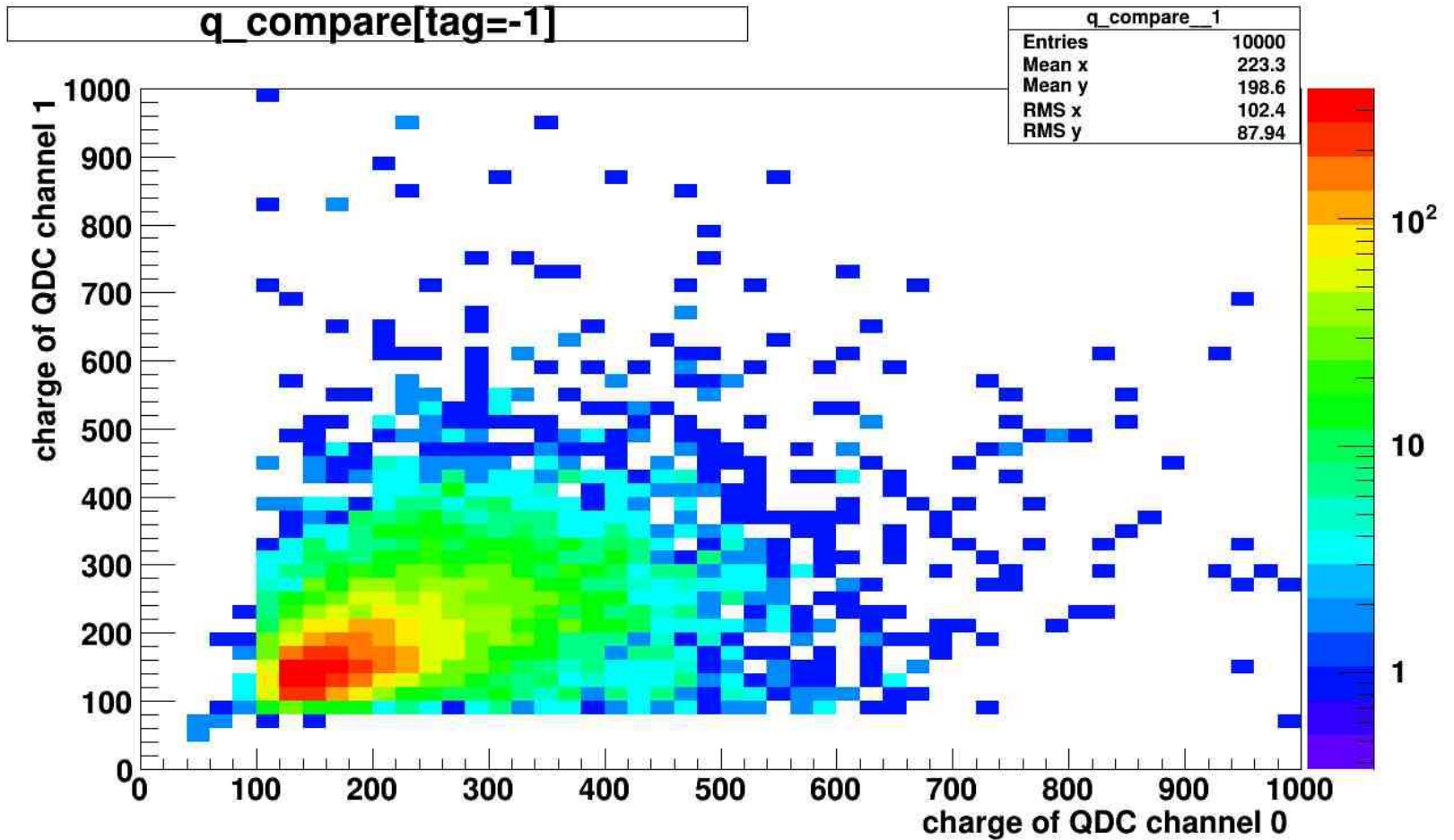
charge measurement



charge deposited in the PM



Correlations?



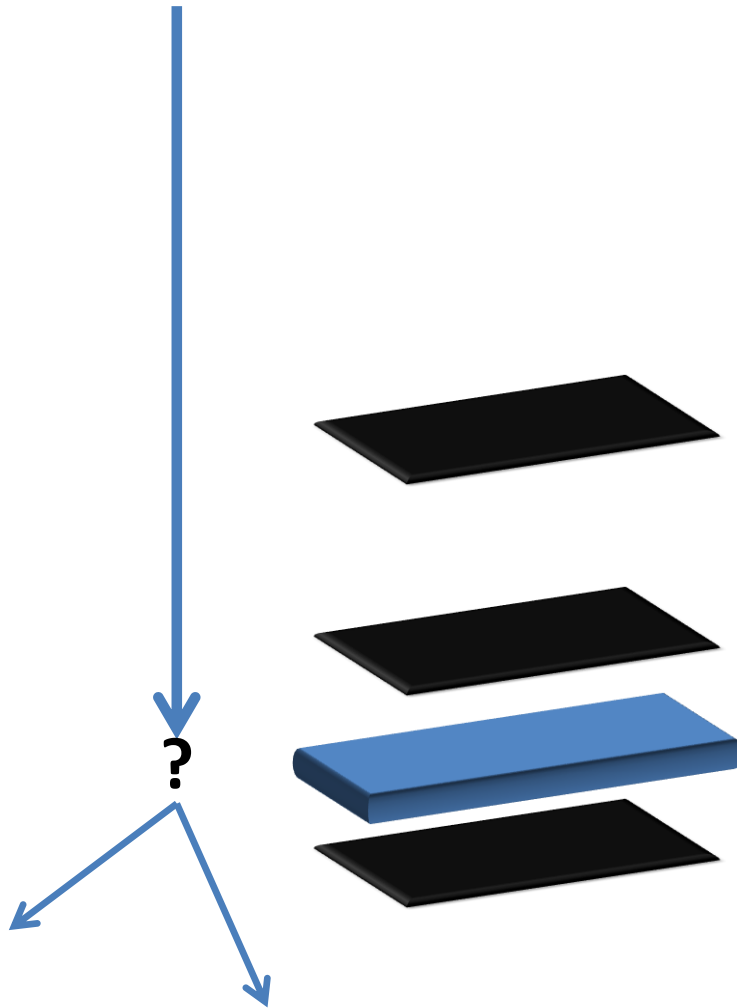
What else is possible?

angle distribution

**dependence on
height**



**probability of
decay**



What is physics about, then?

