

UM REU Summer Project

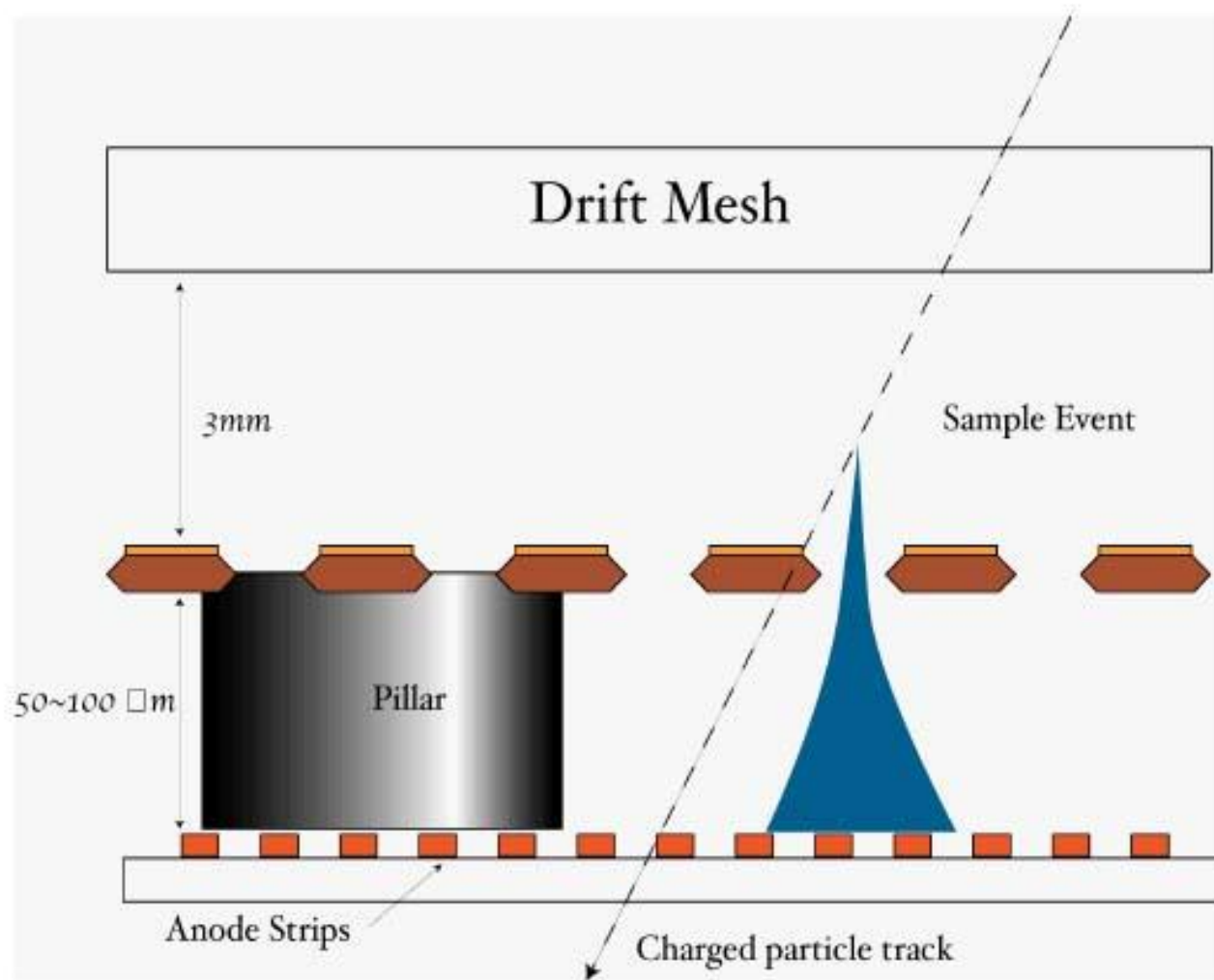
Josh McKenney

CAST

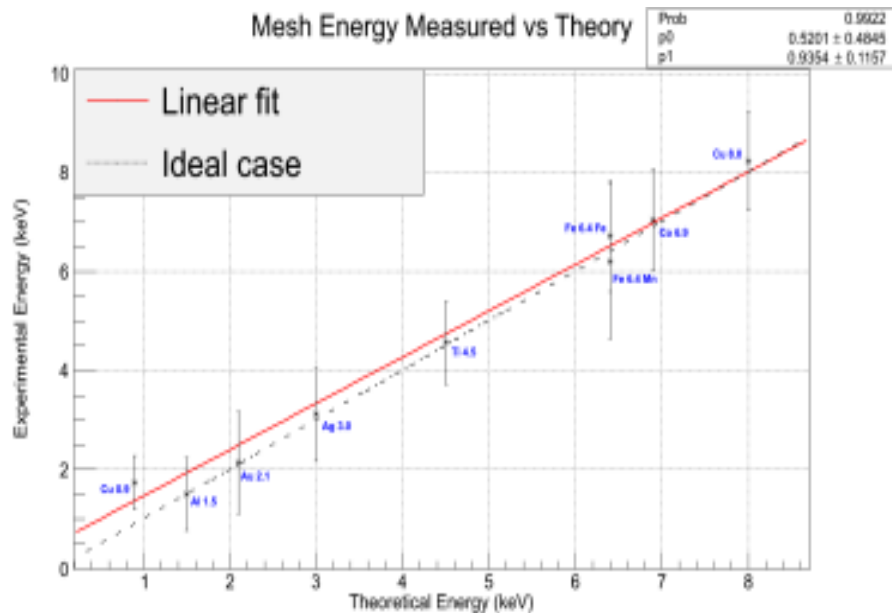


- CERN Axion Solar Telescope
- CP symmetry (QCD)
- Primakoff: $a \rightarrow \gamma + \gamma$
- $\sim \text{keV}$
- Micromegas detectors
- IAXO

Micromegas detector

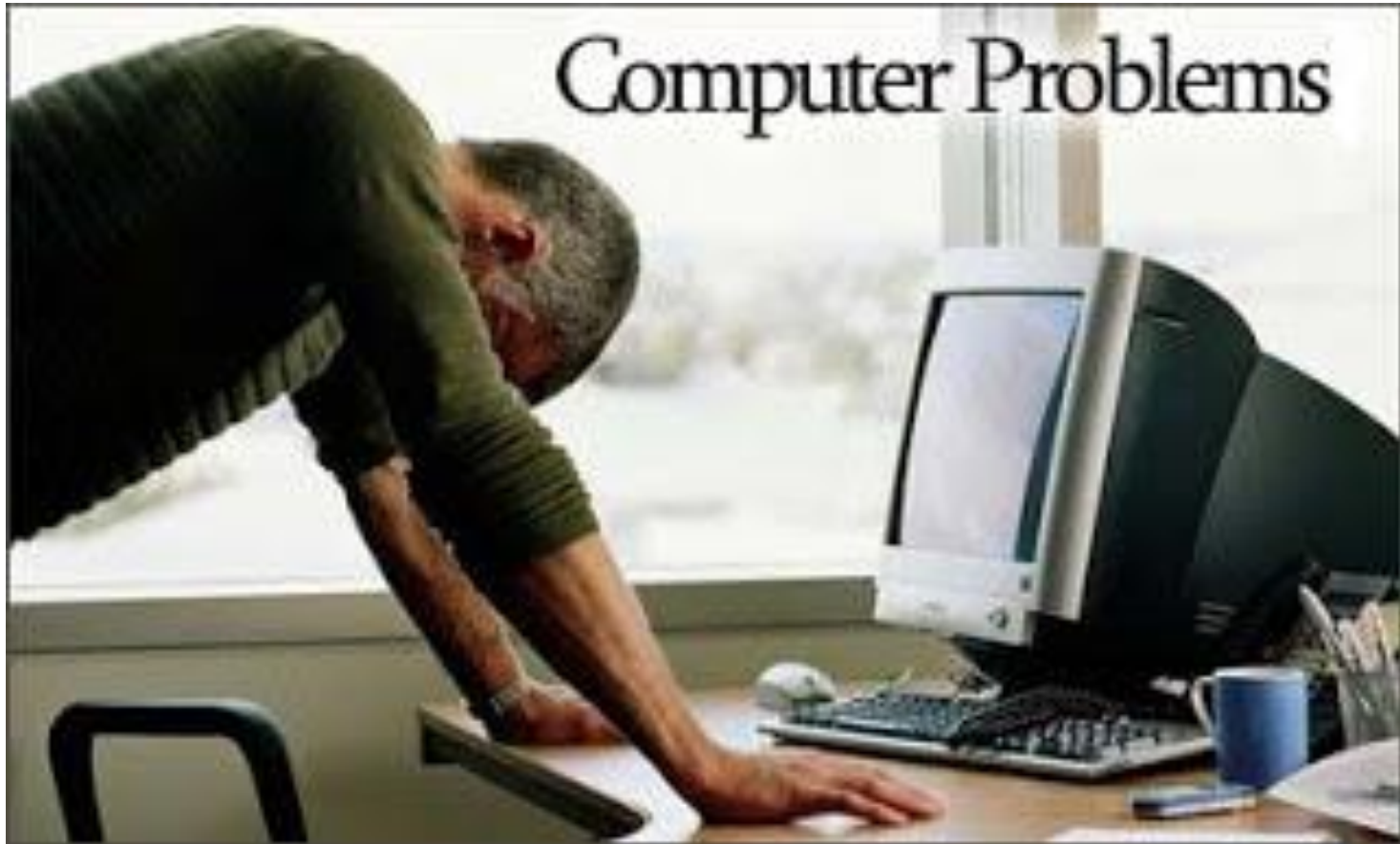


Student project



- X-ray source calibration
- ^{39}Ar background
- Experiment vs. simulation

Concerns



Photos



Questions

