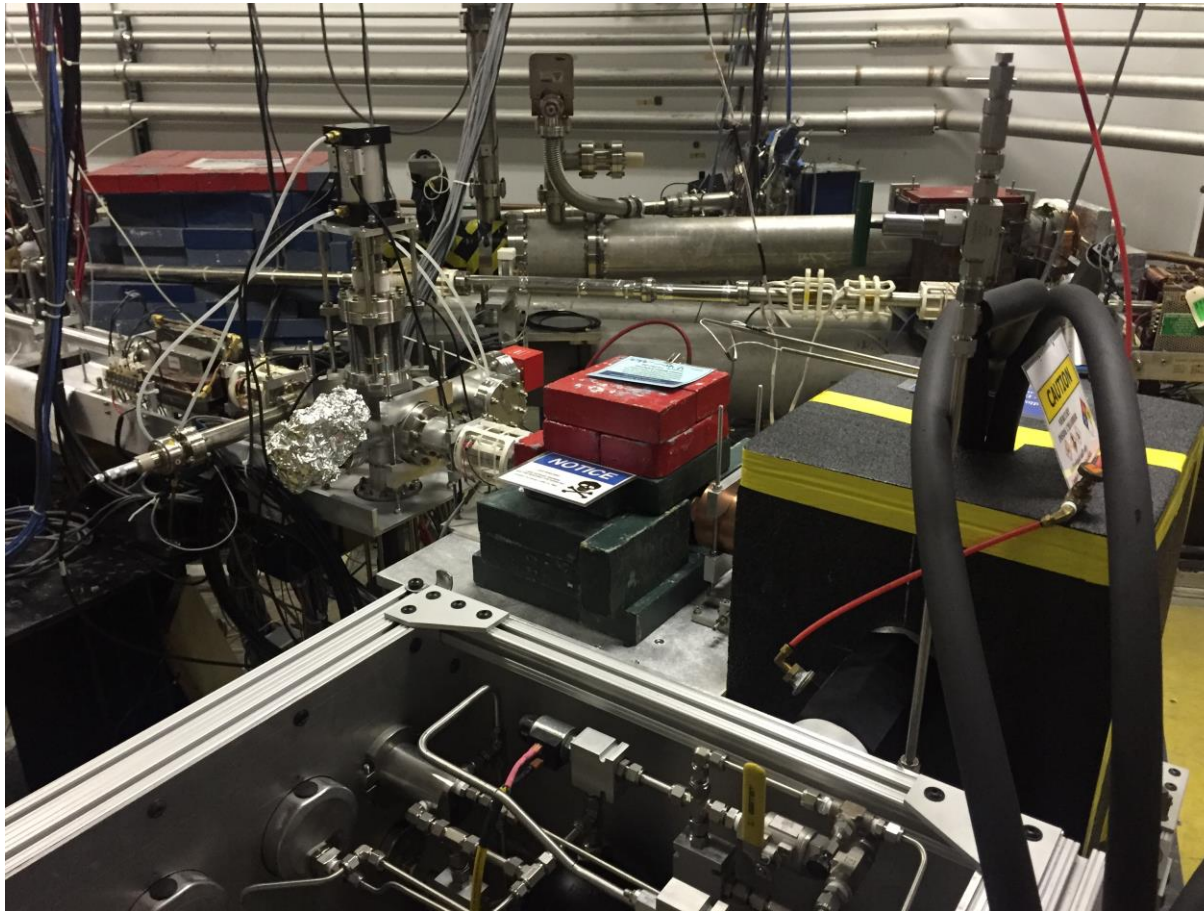
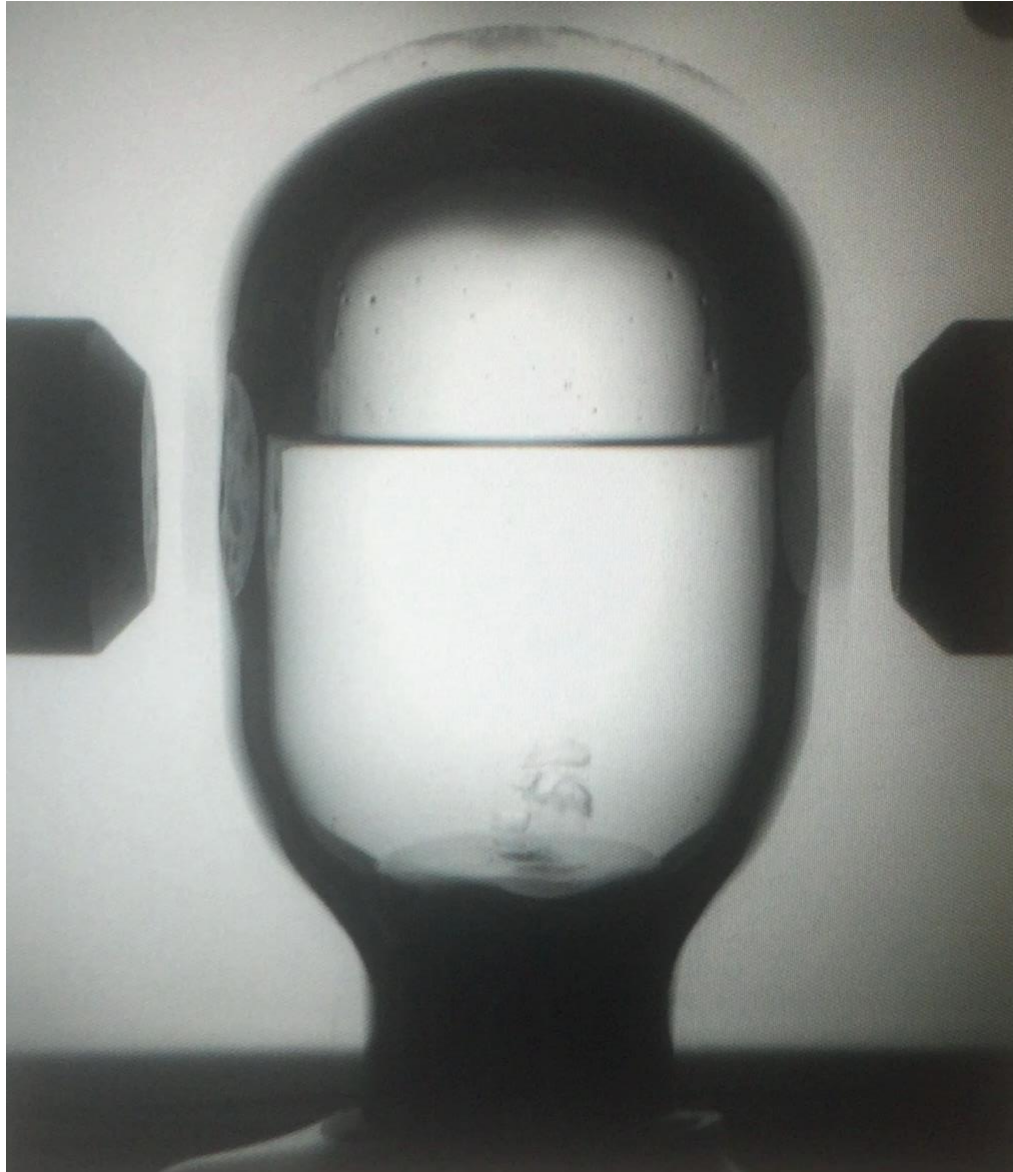


First day of tests (09/10/2015)

- Filled bubble chamber with N_2O . Reached stability in operating temperature
- Measured a very low cosmic ray background.
- Tested sensitivity with neutron source.
- Produced 7.7 MeV electron beam on 6mm Cu radiator



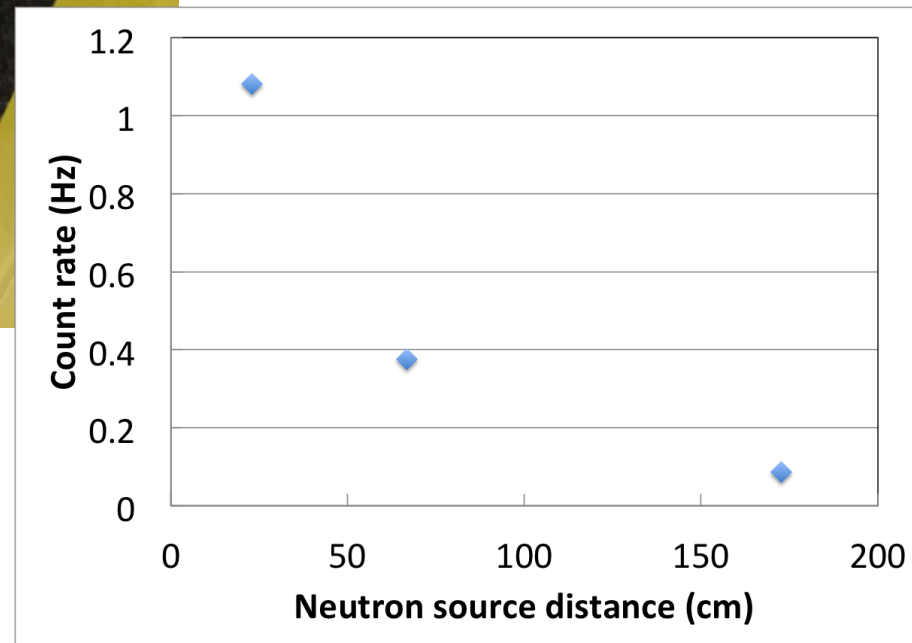
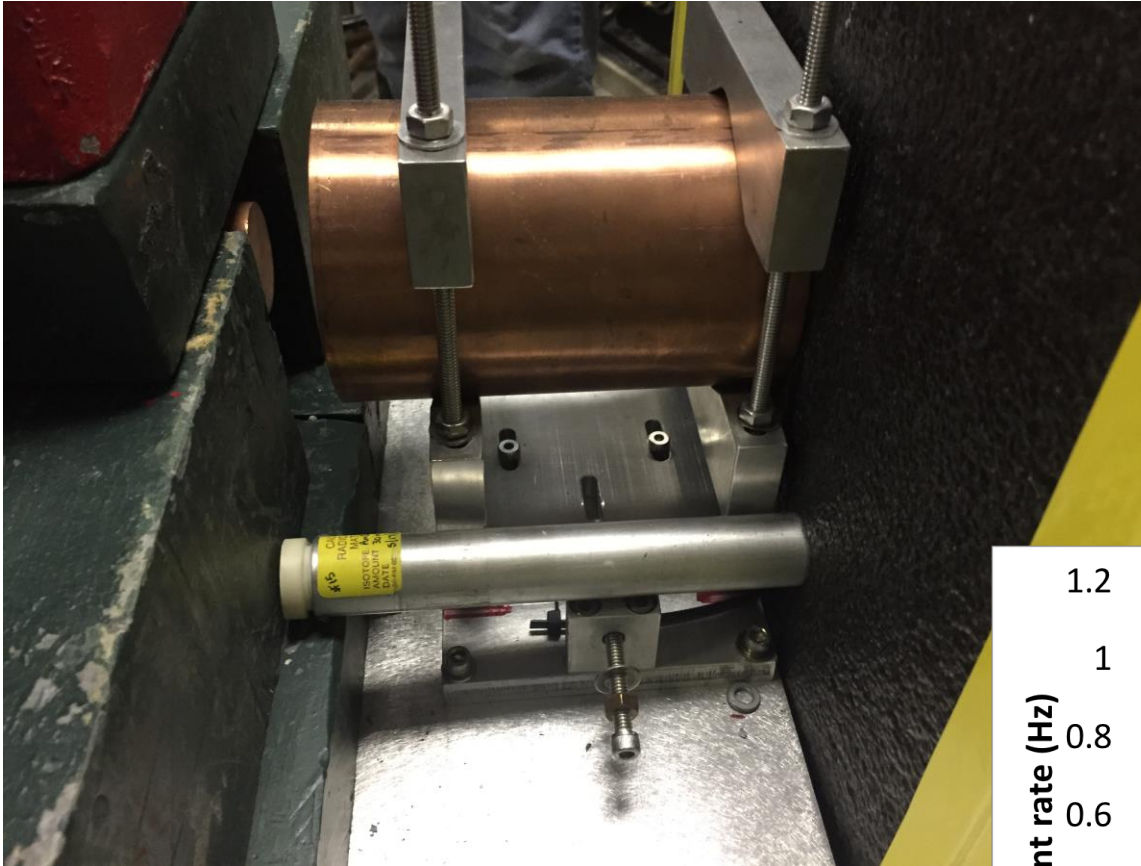
Filling with N₂O



Neutron source (AmBe)

3 distances(source on thermal insulator, 17.3 in, 59 in).

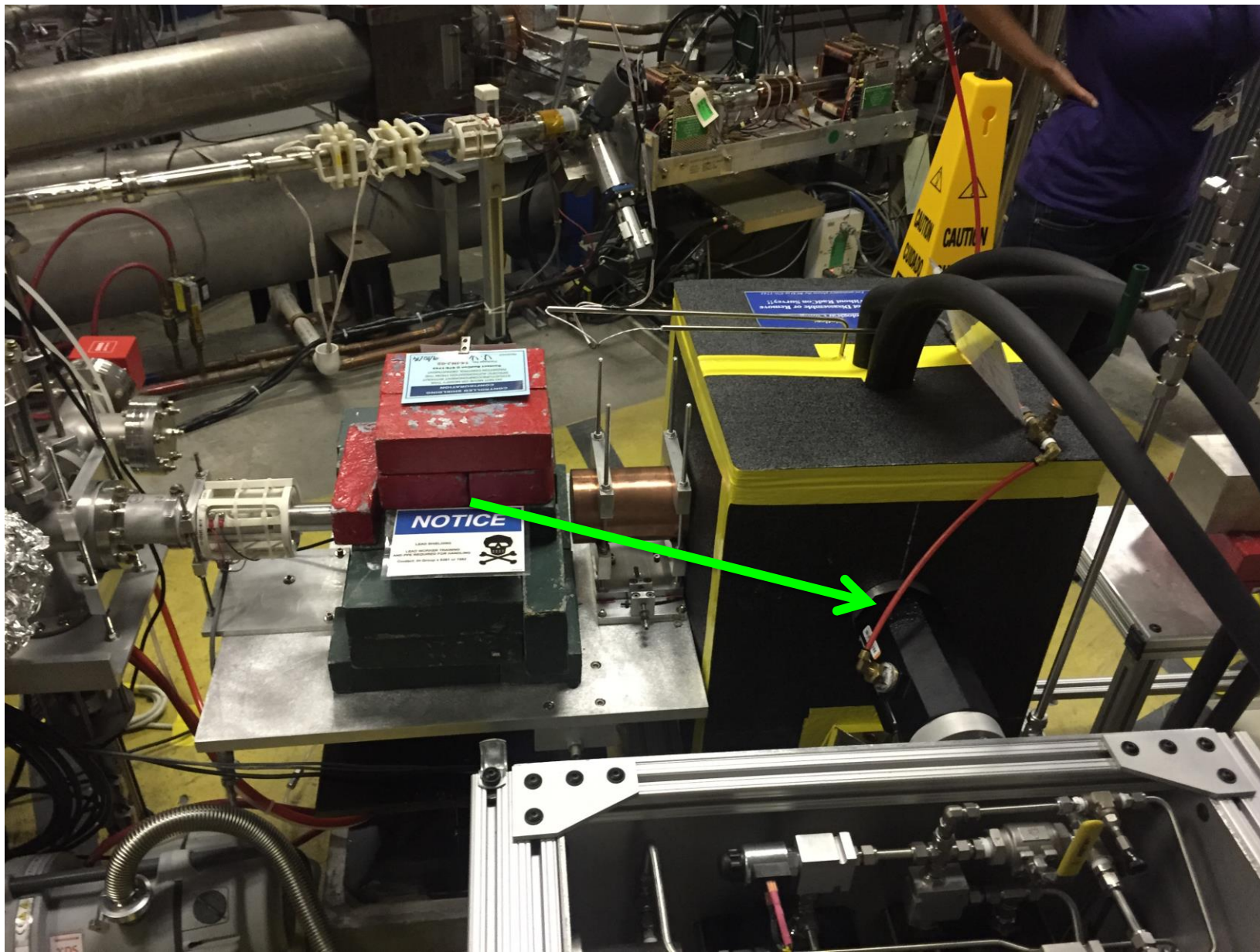
Obtained expected drop in count rate



Event trigger at 0.4 μA

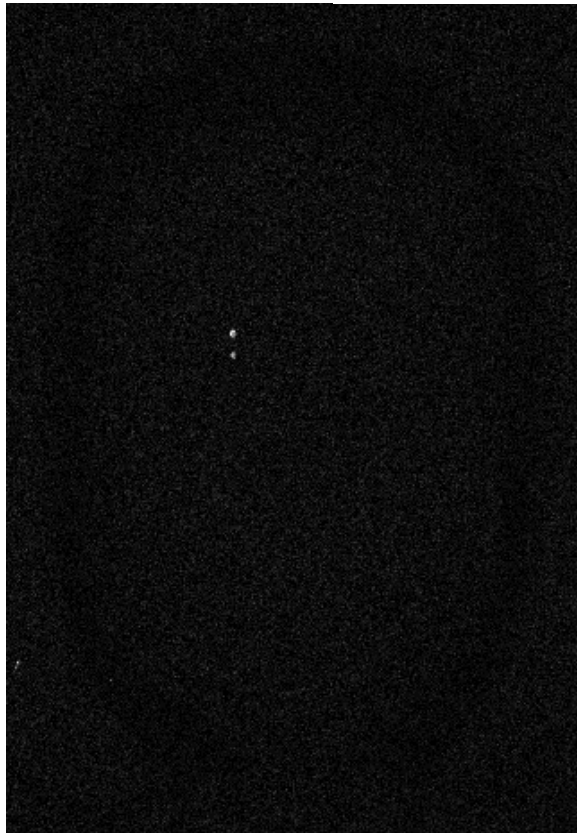
* Solution: Shield camera

Radiation hitting camera



First photodisintegration event in bubble chamber with Bremsstrahlung

Jefferson Lab



Sep 10, 2015 19:40

