

TBD

one To Be Designed and some already existing plunger devices combined with charged particle detection

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Why do we want to detect charged particles

Tag on reaction products (xnyp reactions)

Coincidence to see weak reaction channels

Veto on charged particles (xn reactions)

Not really together with a plunger... Need very high efficiency for this to be worth while.

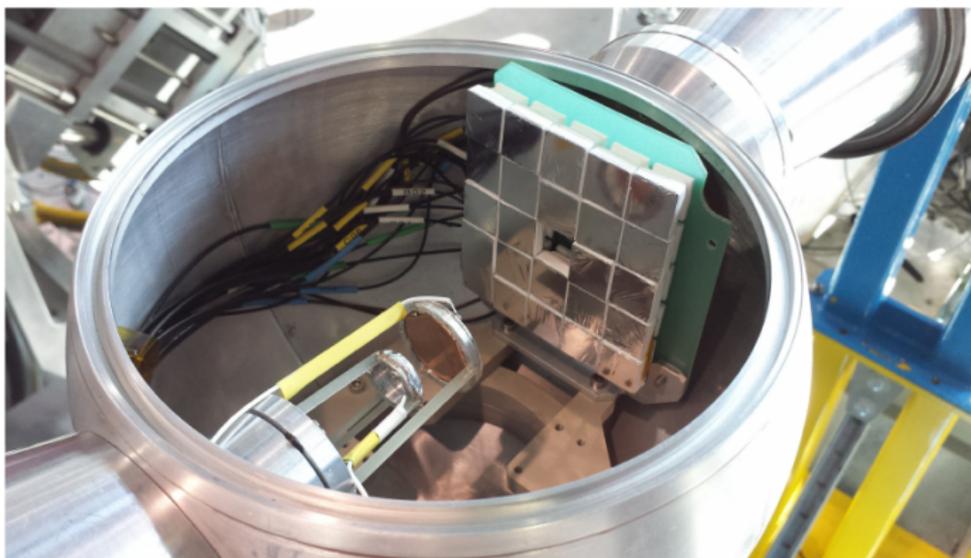
In what way is a plunger+charged particles special

Lots of material around target

Limits angles available for particle detection, i.e. efficiency

Some examples

- 1 GALILEO plunger (see talk of C. Müller-Gatermann)
- 2 The TIGRESS Integrated Plunger (TIP) device



Future development of Oups

the Particle OUPS

