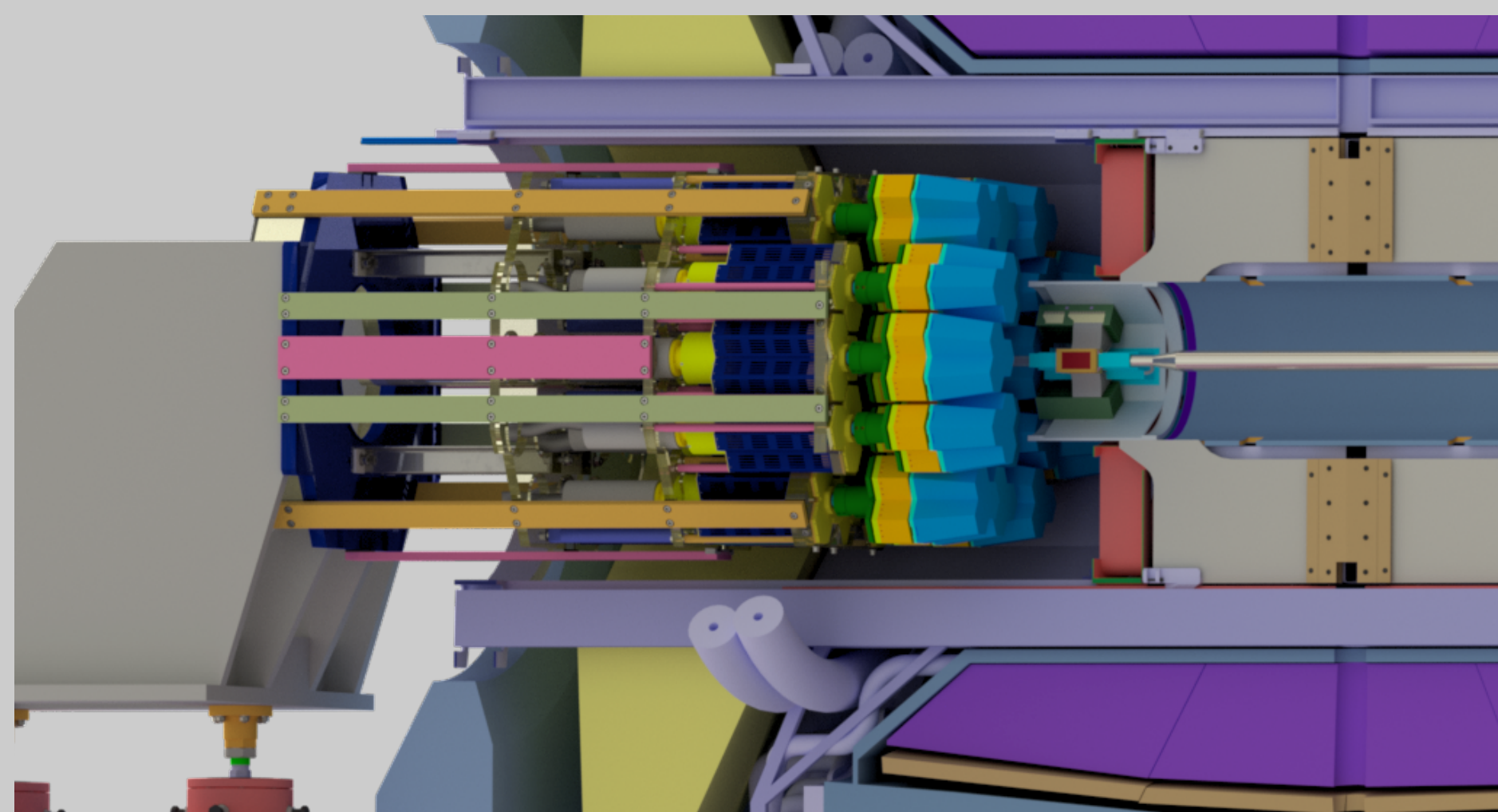


Status of the Hypernuclei and Hyperatom setup at PANDA

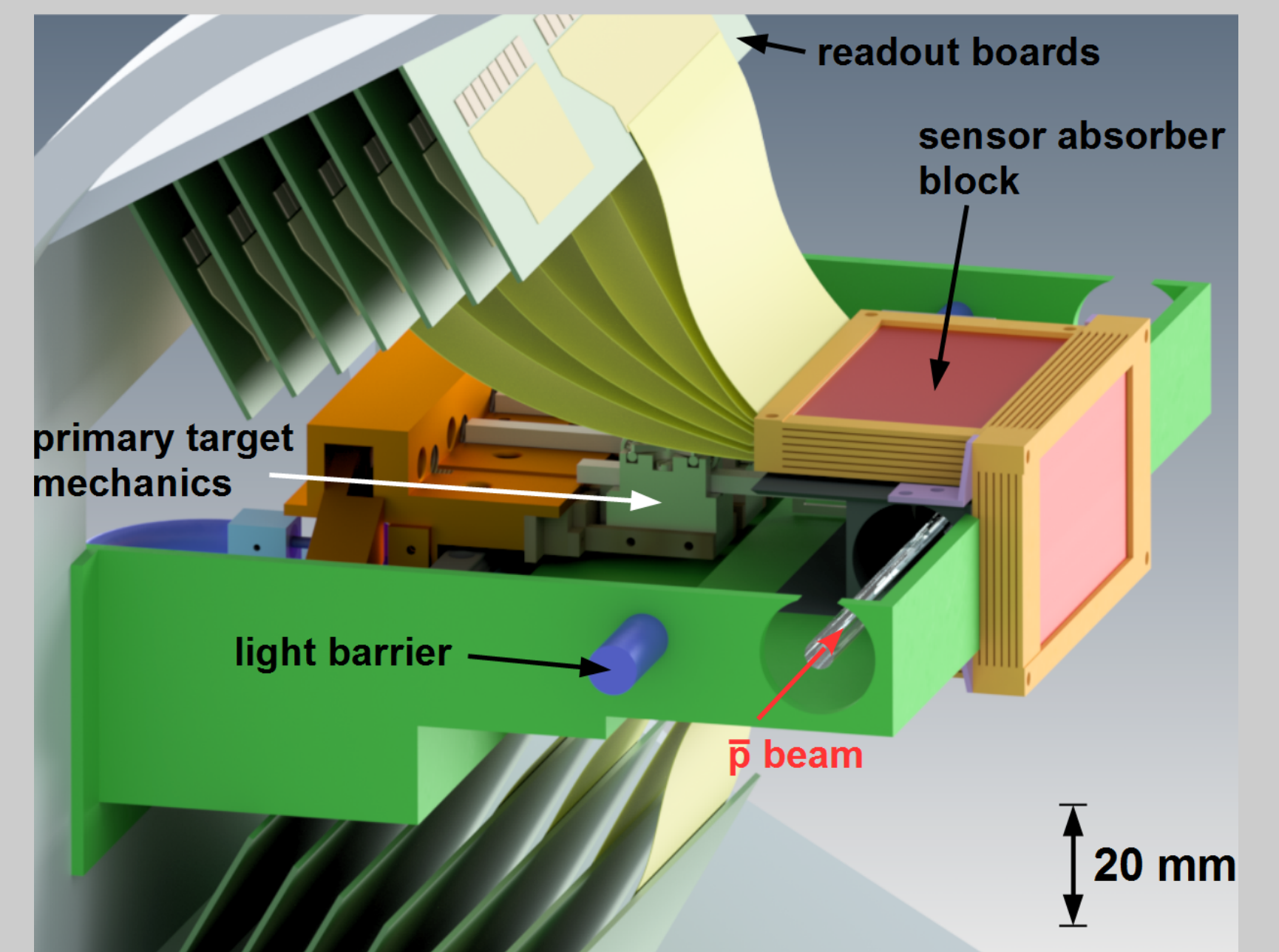
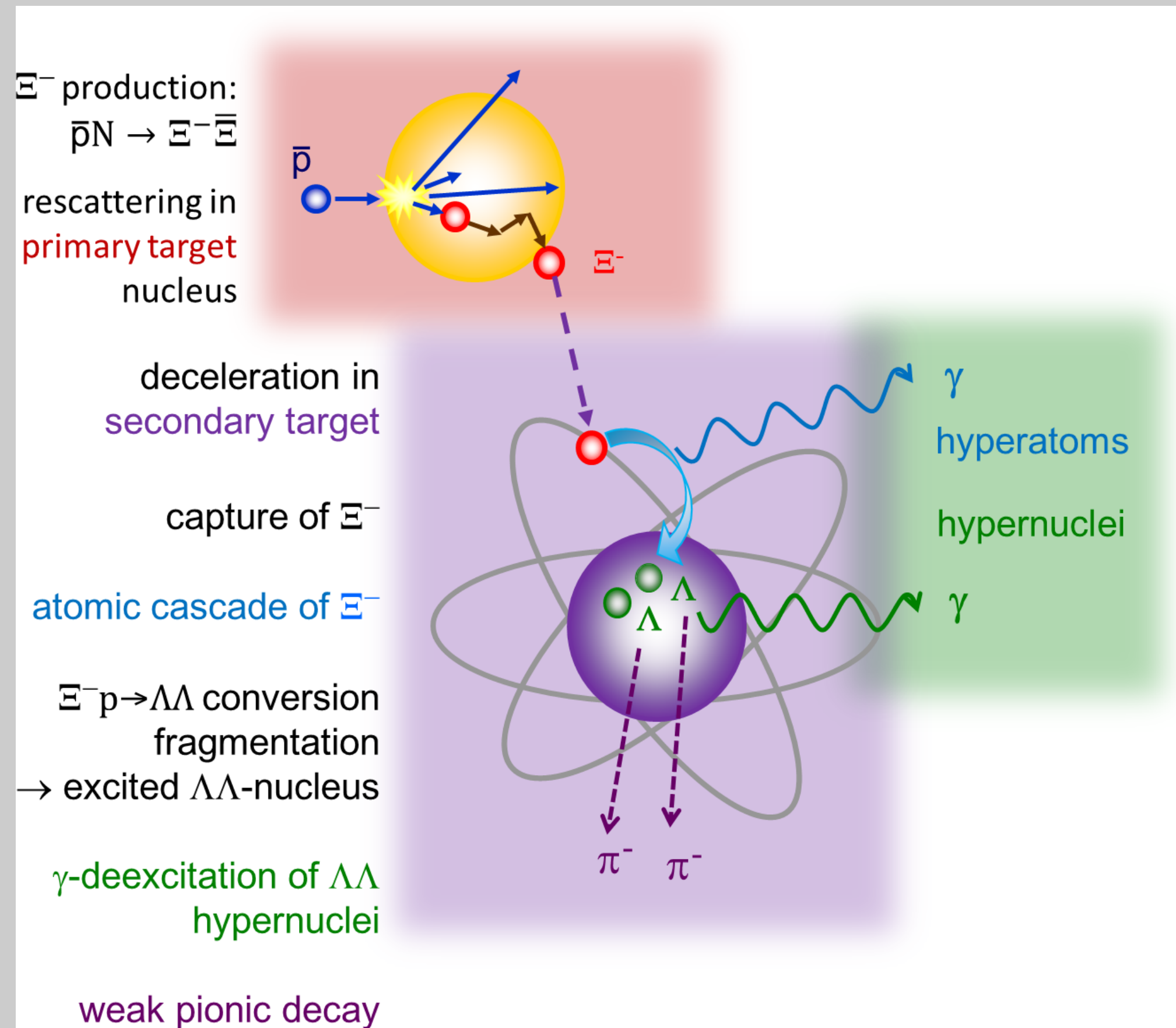
*Michael Bötting¹, Patrick Achenbach^{1,2}, Sebastian Bleser¹, Jürgen Gerl³, Ivan Kojouharov³, Josef Pochodzalla^{1,2}, Birte Sauer¹, Falk Schupp¹, Marcell Steinen¹, Christian Tiefenthaler¹ on behalf of the PANDA Coll.



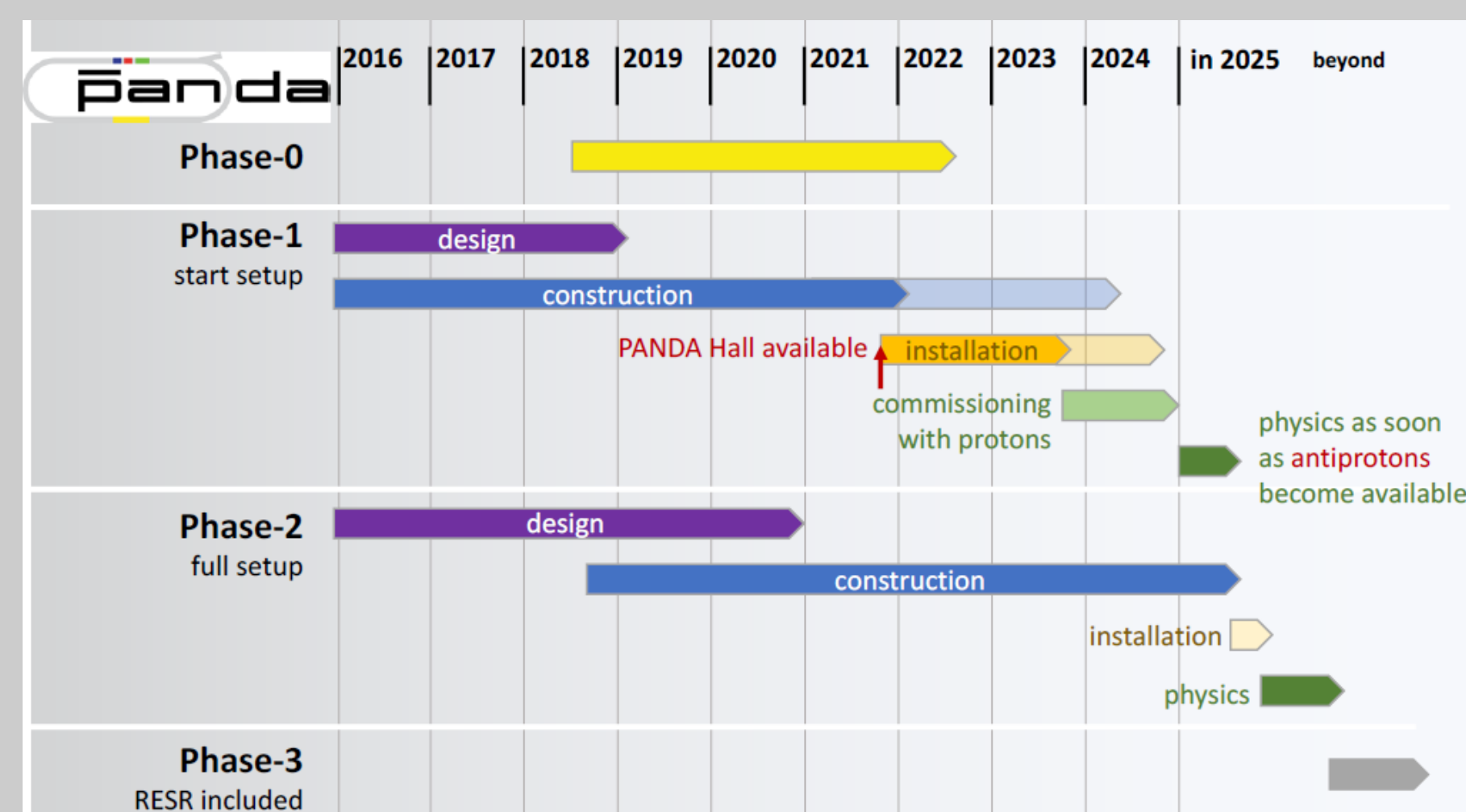
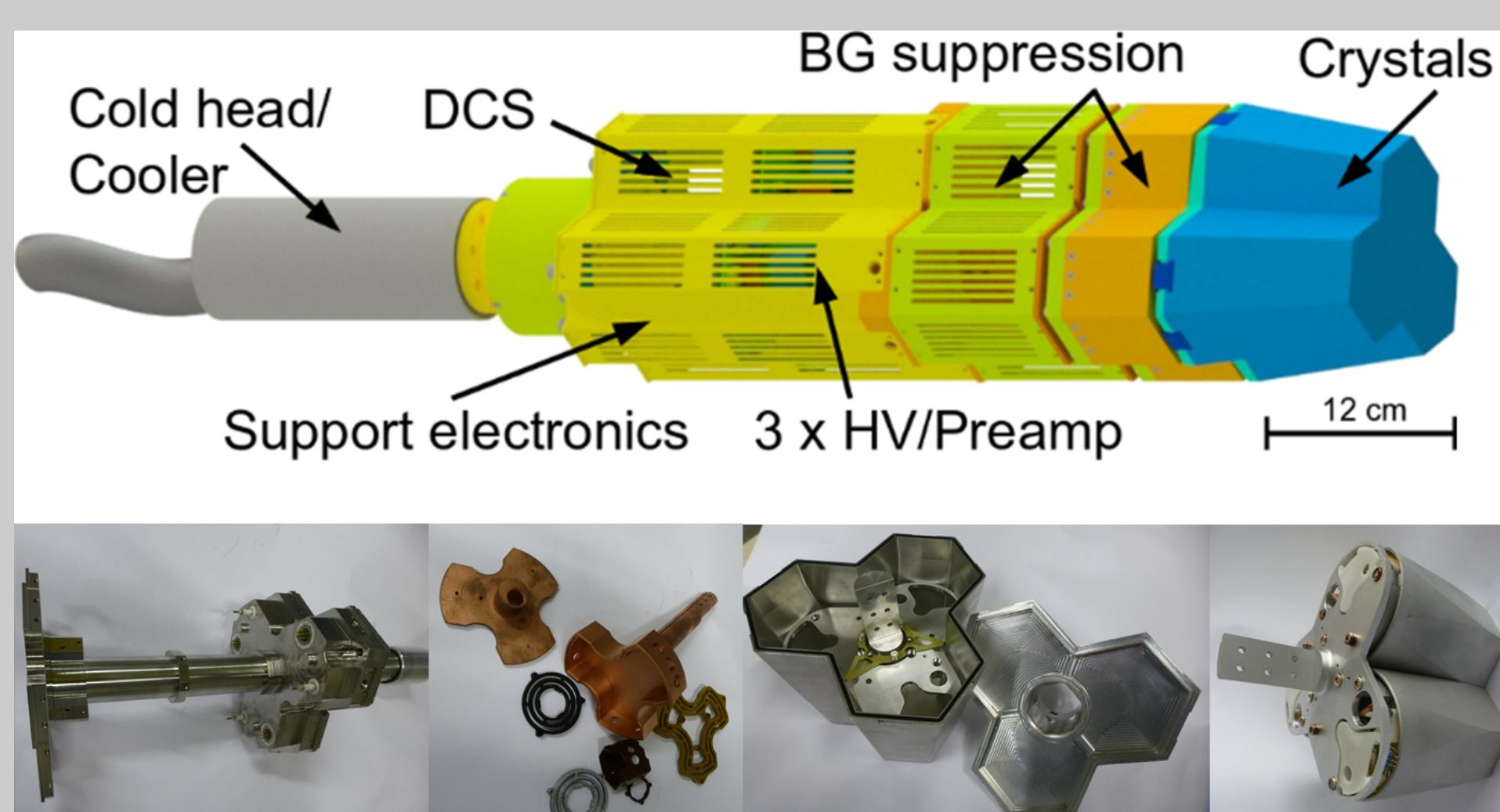
¹Helmholtz-Institut Mainz, Germany; ²Institut für Kernphysik, Johannes Gutenberg-Universität, Mainz, Germany; ³GSI Helmholtzzentrum für Schwerionenforschung, Darmstadt, Germany



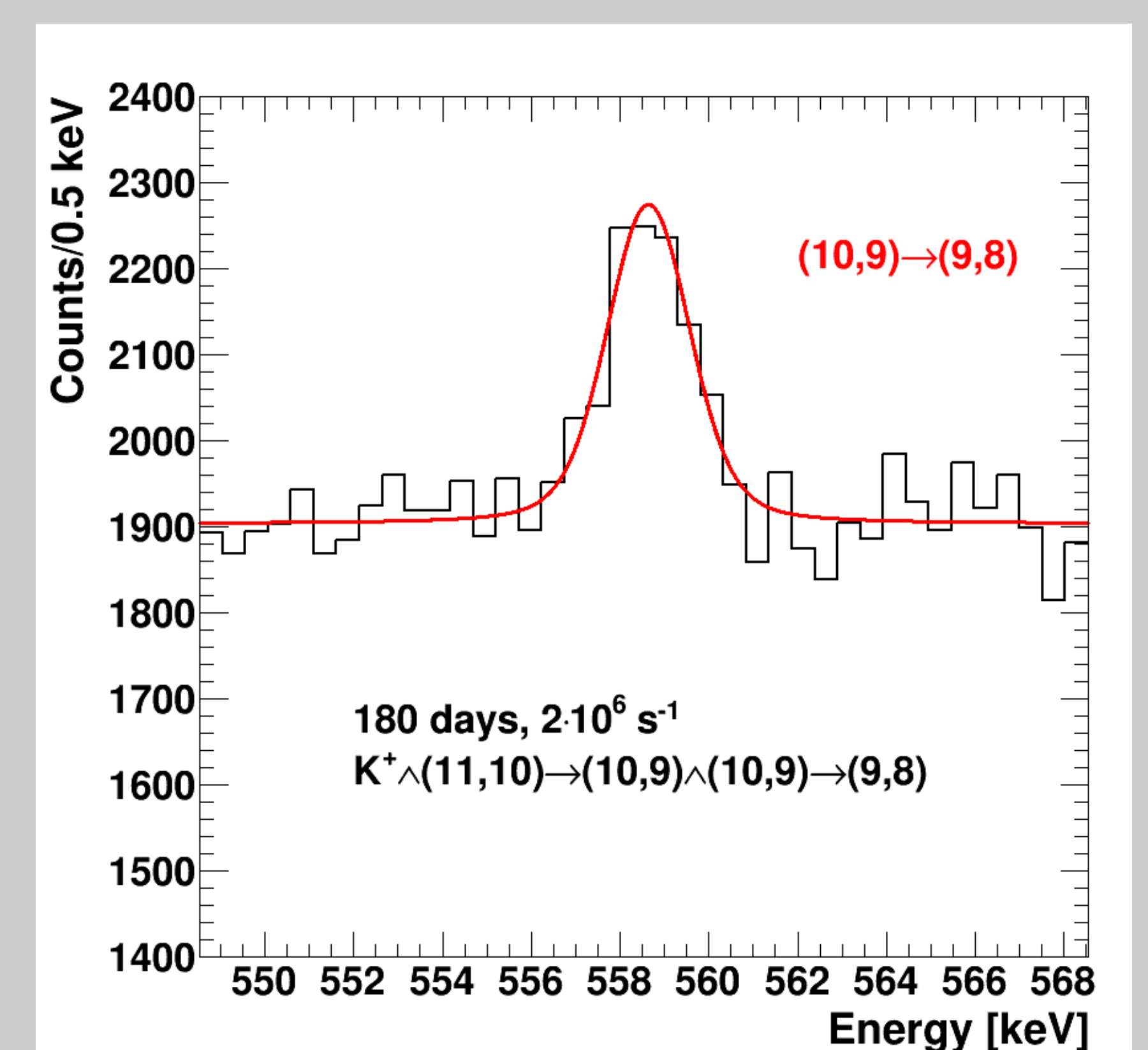
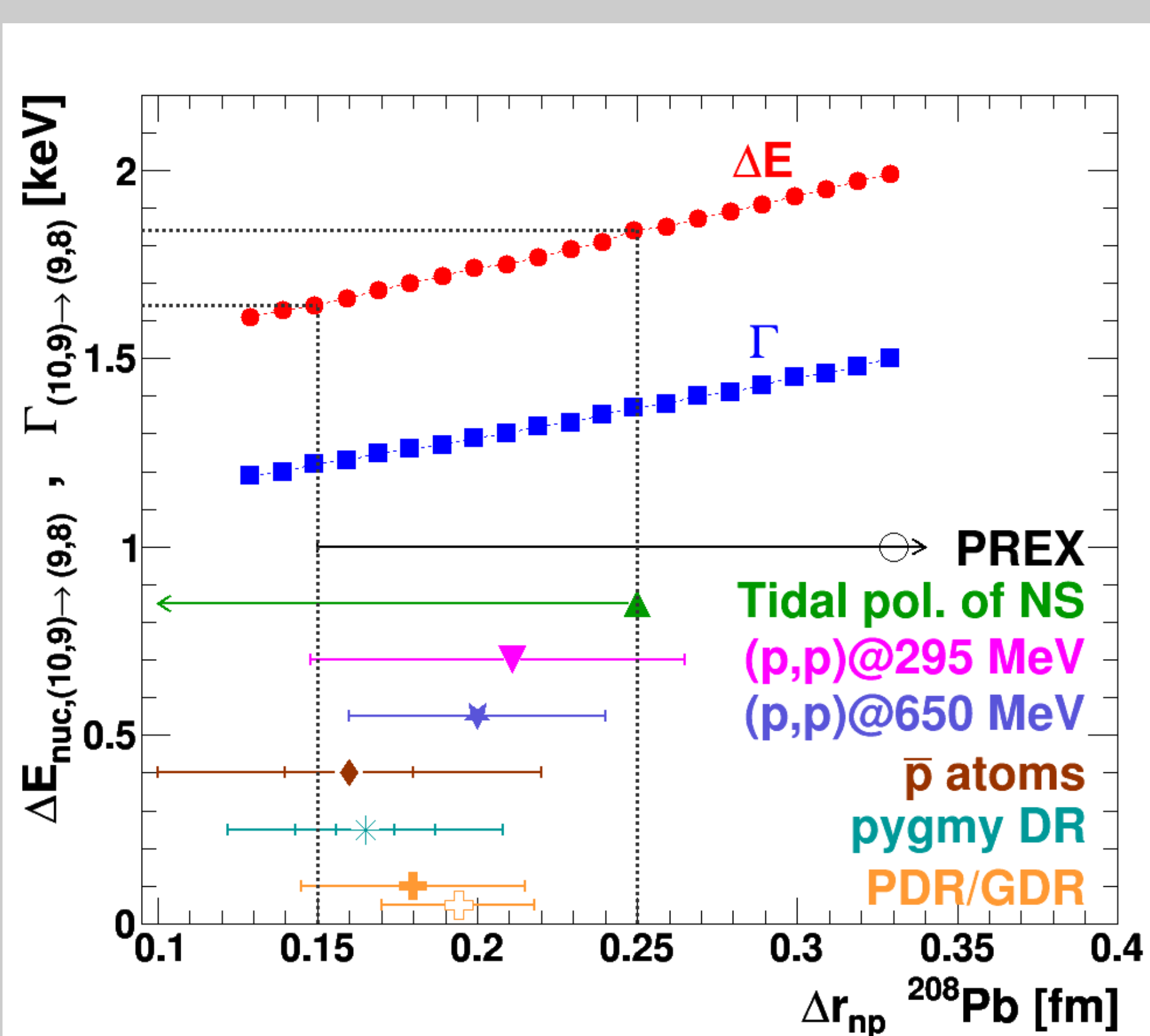
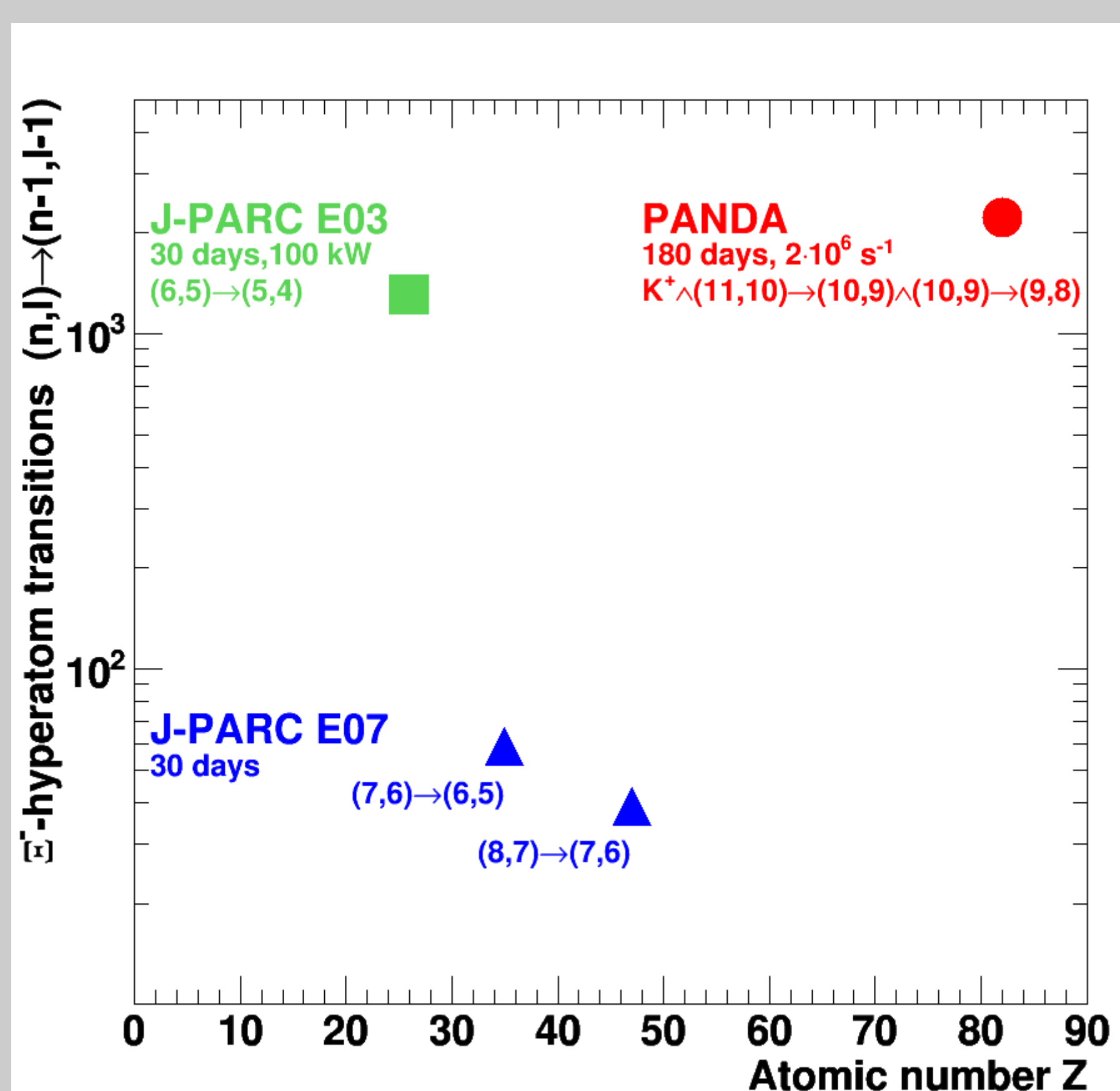
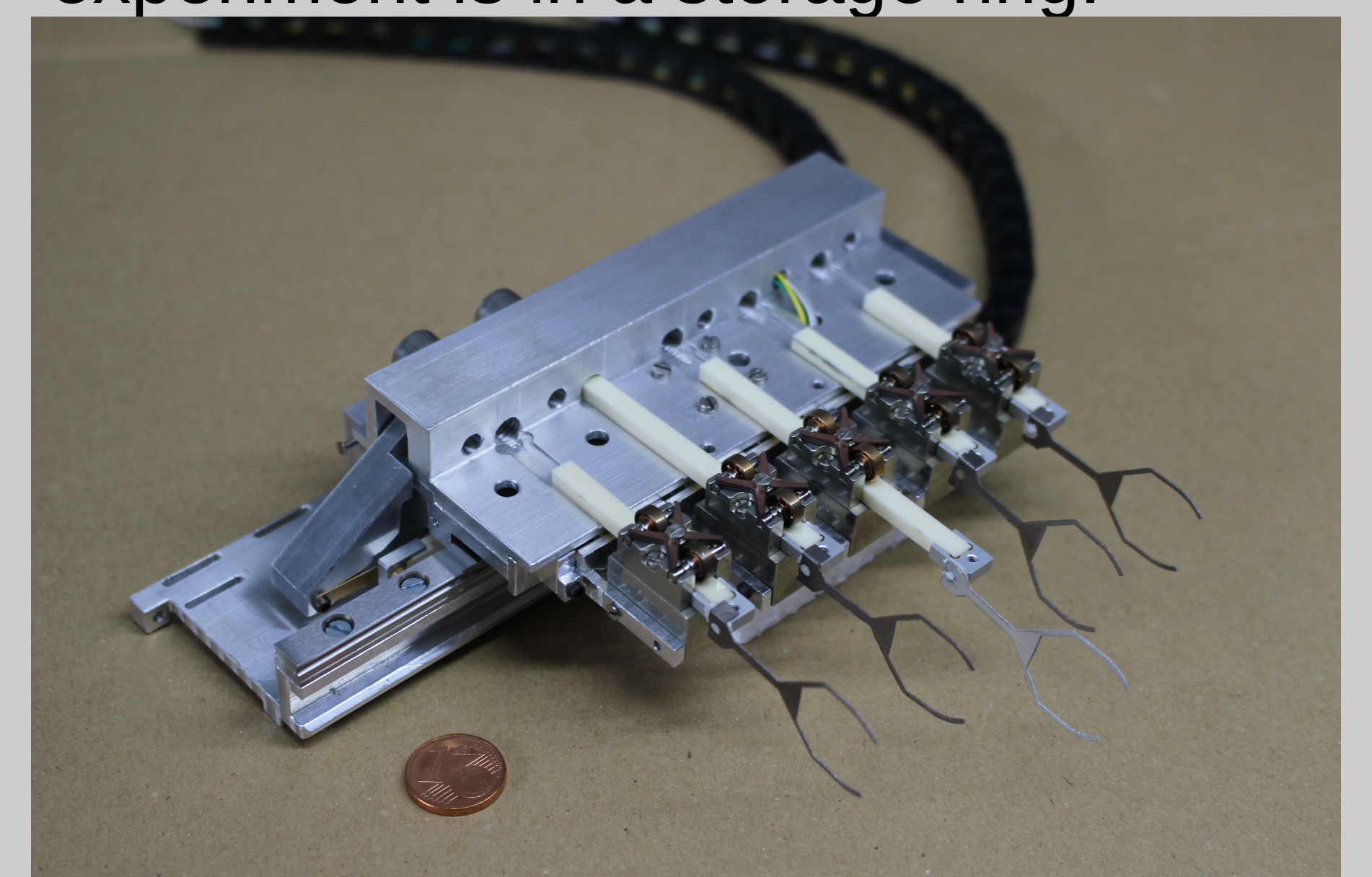
The hypernuclei setup shown above utilizes the modular setup of the standard setup to exchange parts of the Detector with a dedicated target system (right) and a germanium detector array.



The Germanium array consisting of 20 triple cluster detectors will be arranged to maximize detection efficiency of the γ rays. Sophisticated background suppression for the arrangement will be developed



Using EPICS as control layer the primary target can be moved and exchanged by piezo motors. This enables constant rates although the experiment is in a storage ring.



The hyperatom experiment is extension of the hypernuclei program of PANDA. Simulations show, that it should yield high statistics for ${}_{\Lambda}^{\text{Pb}}$.