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HIE-ISOLDE physics campaign in 2017

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HIE-ISOLDE experiments have been focused on two experimental setups in 2017, with the Miniball HPGe array [2] taking most of the beam time alongside experiments at the third beam line. The ISOLDE Solenoidal Spectrometer (ISS) [3] is currently being commissioned on the second beam line with the aim of performing few-nucleon transfer reactions in the magnetic field of a former MRI magnet. As HIE-ISOLDE operation becomes routine, the number of experiments per year is increasing and this year there were 12 experiments in a campaign running from July until November. In addition to Coulomb excitation, this year we have also performed multi-nucleon transfer reactions, utilising the maximum energy of the linac.

In this talk I will present the preliminary status of experiments from the 2017 campaign at Miniball.

References

- [1] M. Lindroos, P. Butler, M. Huyse, and K. Riisager, NIM B 266, 4687 (2008).
- [2] N. Warr et al., EPJ A 49, 40 (2013).
- [3] S. J. Freeman et al., CERN-INTC 031, 099 (2010).

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