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Single-neutron transfer on 68Ni

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The application of one-nucleon transfer reactions is one way to investigate nuclear structure. 68Ni is an interesting case because of the collectivity present in the region around this nucleus. In particular the neutron d5/2 orbital plays an essential role in this. One-neutron transfer was performed with a 6 MeV/u postaccelerated beam of 68Ni at ISOLDE using the Isolde Solenoidal Spectrometer (ISS) setup.

In this talk the (preliminary) results of the IS587 experiment, held in November 2022, will be discussed.

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