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Single-neutron transfer on ^{68}Ni

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The application of one-nucleon transfer reactions is one way to investigate nuclear structure. ^{68}Ni is an interesting case because of the collectivity present in the region around this nucleus. In particular the neutron $d_{5/2}$ orbital plays an essential role in this. One-neutron transfer was performed with a 6 MeV/u postaccelerated beam of ^{68}Ni 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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