

## The ISOLTRAP tape station system

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Penning traps are ideal tools not only for high-precision mass measurements, but also for isobaric and even isomeric beam purification. A system for beta- and gamma- spectroscopy installed behind the trap can be used for both assisting mass measurements and performing decay spectroscopy on pure samples in regions where contamination hampers standard measurements.

Installing such a system at ISOLTRAP is very challenging due to a limited space, vacuum requirements, and the need to reaccelerate the ions to kV energies. In spite of these obstacles, first tests have been performed successfully. In we present the layout of the system, the results of the commissioning beamtime, and future prospects.

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