

## **Automating yield measurements and database storage (First Step of CERN database)**

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Diverse data, such as yields, release curves or target ageing, have been collected for the last fifteen years at ISOLDE. We are now improving the procedure for their acquisition, storage and access. The measurements will be performed by an automatic application that controls the hardware settings and record data according to predefined parameters. A dedicated database with different access levels will be used to store the settings, the data and allow the publication of only the validated ones. The resulting curves and tables will be accessed through a website with the help of an additional application used to load, visualize and compare curves and variables of interest.

Yields and release curves, related to effusion, diffusion and ionization properties, are a valuable source of information and base for proper target and ion source development.

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