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## Spectrometers for HIE-ISOLDE

The higher beam energy, and improved beam qualities, that HIE-ISOLDE will offer opens the door to new possibilities for nuclear reaction studies at the facility. Simulation results for a mass separator device and a ray-tracing spectrometer for secondary reactions with post-accelerated beams will be presented. Realistic HIE-ISOLDE parameters are used as input to the simulations and a variety of reactions between radioactive beam and light target particles are presented. The simulation results are discussed in the context of some possible uses for such a device: Spectroscopy, reaction channel selection and tagging.

Furthermore, the impact of an future upgrade of the HRS on selected physics cases will be presented and discussed.

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