

## Status of the External Solenoidal Spectrometer for the TSR

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Injecting beams of radioactive nuclei into the TSR and cooling them will make it possible to perform charged-particle spectroscopy experiments with excellent energy resolution. For low-Z beam species, nuclear reactions in a gas-jet target can be studied in the ring, with the beam passing through the target repeatedly to achieve high luminosities. However, for heavier beam species higher luminosities can be achieved by extracting the cooled beam and bombarding solid targets. A solenoidal external spectrometer is being designed to measure charged products of the nuclear reactions induced by these extracted beams. The current status of the external spectrometer will be presented.

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