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## Upgrades for the TwinSol low-energy RIB facility

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TwinSol, a pair of coupled, superconducting solenoids, was one of the first devices capable of producing beams of radioactive nuclei. A primary beam from the UND accelerator is used to bombard a primary target producing a secondary beam in flight. TwinSol is used to gather, separate, and focus the recoils. Since it was commissioned at the University of Notre Dame (UND) in 1997, at least 58 publications have reported data from its use. There are hundreds of collaborators from many different countries that use this facility. Currently, plans are in place at the UND to provide several upgrades to TwinSol including a multi-cell gas production target and the possible addition of a third solenoid. Upgrades currently in the works will be discussed along with future plans.

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