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Progress on the FRIB project and future plans

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The Facility for Rare Isotope Beams (FRIB) being built at Michigan State University (MSU), is based on a 400 kW, 200 MeV/u heavy ion driver linac. Once completed, FRIB will offer world-unique opportunities for rare isotope science. It will provide a wide variety of high-quality beams of unstable isotopes at unprecedented intensities, opening exciting research perspectives with fast, stopped, and reaccelerated beams. New experiments will become possible to explore nuclear structure very far from stability and to provide information critical for the explanation of the element abundances observed in the universe as well as for the study of fundamental symmetries. Moreover, new applications of isotopes to meet societal needs will become available at high intensities. This contribution will present the main scientific goals of FRIB as well as the status of the construction, with focus on accelerator techniques needed to reach the intense rare isotope beams FRIB will provide. Moreover, the present status and future plans for the various stopping beam facilities as well as the Reaccelerator will be presented.

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