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Uranium-Targets for Heavy-ion Accelerators

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Uranium targets are a very important for the accelerator-based research of nuclear properties. Depending on the reaction to be studied and on the conditions during the experiments different restrictions on the target material have to be met as for example durability, melting temperature, reactivity or compound partners contributing to the reaction.
Therefore we are developing processes to produce Uranium targets in the elemental form as well as in different compounds.
Here we report on the production and application of targets from metallic Uranium, UF4 and UO2

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