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Recent developments at ISOL-based RIB facilities

Radioactive ion beam research plays an essential role in answering key questions in the fields of, amongst others, nuclear physics and nuclear astrophysics. Progress depends to a large extent on continuous innovative developments in the production and manipulation of the radioactive ion beams and in instrumentation. Moreover, the field of radioactive ion beam research has reached a level of maturity where its “discovery frontier” (new isotopes/elements, new nuclear-structure phenomena) is being extended with a “high precision frontier”.

In this contribution, a short overview of the different ISOL-based radioactive beam facilities and some examples of recent progress in the field of ISOL-based radioactive ion beam research will be discussed and their impact on the current research programs as well as on future program will be addressed.

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