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## Recent target developments at Isolde

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For the past 60 years, the ISOLDE facility has delivered beams of high intensity and quality to the community worldwide. To keep a leading role in the development of ISOL beam production, beams and target developments are constantly done to reach new types of isotopes, yet unmet intensities or purity grades. These developments are done in various fields such as material science, ion source and mechanical design of the targets amongst others.

In this talk, an overview of the last beam developments of 2016 will be presented. A specific attention will be given to a few beams ( $^8\text{B}$  Boron beam,  $^{64}\text{Ge}$  Germanium beam). Furthermore, a presentation of the results obtained with the Isolde negative ion source MK4 coupled to a mixed Th/Ta foil target operated in 2016 will be done, which could produce pure negative Astatine beams. An overview of the operational issues of 2016 will also be presented, together with the next required developments. Finally, the upcoming development will be shown, with a specific highlight on the LIEBE target that should be operated in ISOLDE at the end of 2017, together with the development of a concentric neutron converter geometry or molecular refractory beams.

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