

BA Phase I (Achievements from 2007 to 2020)

All the mandate assigned to the project for this phase has been almost fulfilled:

- **IFMIF EDR:** the IFMIF Intermediate Engineering Design Report completed and released,
- **Target Facility:** Engineering validation activities completed with the construction and the successfully commissioning of the Lithium loop ELTL (scale 1:1), the finalization of the corrosion/erosion studies and the completion of the remote Handling design,
- **Test Facility:** Engineering validation activities completed with the development of specific specimens, the design validation of the high/medium flux modules and its helium cooling loop HELOKA (scale 1:1),
- **Accelerator Facility:** Engineering validation activities on going, an important step has been reached on July 24, 2019, with the successful demonstration of a 5 MeV, 125 mA, D+ beam acceleration at 0.1 DC.

BA Phase II (Outlook from 2020)

Agreement to pursue the mandate assigned to the project (March 2020) focusing on:

- **IFMIF-like Fusion Neutron Source:** Complementing the engineering design of the IFMIF-like FNS and the Lithium Target Facility engineering validation,
- **Accelerator Facility:** Continuing the commissioning of the LIPAc with the high duty cycle operation to reached the ultimate goal a 125 mA D+ Beam, 9 MeV in CW, by enhancing the systems already validated during the first phases.

IFMIF Plant

