

MINERVA-facility: Status of the design

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Abstract

Since the decision in 2015 to split the MYRRHA-program into three distinct phases, being (a) the construction of a 100 MeV LINAC with target stations, (b) the extension of the LINAC till 600 MeV, and (c) the construction of a PbBi-cooled sub-critical reactor, significant progress has been made. This presentation addresses the advancements made with respect to the MINERVA sub-program, which focusses on the “design & build” of the 100 MeV LINAC installation with target stations. It contains a status update on both the accelerator, the target facilities, the Balance-of-Plant, as the licensing & safety activities. All of which gained momentum after the decision by the Belgian Federal Government in September 2018 to fully fund the first phase of the MYRRHA-program, including the operation expenses.