

MYRRHA - MINERVA accelerator project status and MicroTCA.4 developments.

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The Belgian Nuclear Research Centre (SCK•CEN) is developing an innovative multifunctional research installation at its premises in Mol, Belgium. MYRRHA will be the world's first multifunctional research reactor powered by a particle accelerator. MYRRHA is a technological first with solutions to major societal questions. From less long-lived radioactive waste and new cancer treatments to new reactor concepts and further fundamental research.

This presentation will first introduce the MYRRHA reactor and the MINERVA project, the first phase in the construction of the MYRRHA reactor. In a second part, the current status of the project with focus on MicroTCA will be given. MicroTCA.4 has been chosen as the platform that will be used in the low level control of the accelerator and as an optional platform for other systems like beam diagnostics and instrumentation. The presentation will discuss current developments and future plans for using MicroTCA.4 in the MINERVA project.

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