

## **Slow extraction serving raster scanning at medical facilities**

*Wednesday, 14 February 2024 08:30 (20 minutes)*

Accelerators for ion beam therapy are always based on synchrotrons if ions other than protons are used. In order to be able to use the raster scanning method, the beam must be slowly extracted from the synchrotron. This talk summarizes the most important current requirements for slow extraction at medical facilities. Additionally we ask: What future topics are being discussed a lot in particle therapy and what requirements do they place on slow extraction?

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**Session Classification:** Optimisation and Machine Learning for Slow Extraction