

## Academia-Industry Matching Event on Superconductivity for Accelerators for Medical Applications



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Type: **not specified**

### Accelerators for medical applications

*Thursday 24 November 2016 14:00 (20 minutes)*

This talk will mainly focus on superconducting cyclotrons from a medical device manufacturer's perspective. First, a short rationale of and an introduction to particle therapy are given. The major requirements for a particle therapy accelerator will be deduced from the treatment process. Based on that a comparison of various accelerator types for the use in an industrial medical device is made.

In the second part, a short history of superconducting cyclotrons up to the current status will be presented, concluding with an outlook on future superconducting cyclotrons.

**Presenter:** SCHILLO, Michael (Varian Medical)

**Session Classification:** Introductory session