

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



Contribution ID: 2

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