

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



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Introduction to gantries and comparison of gantry design

Friday 25 November 2016 11:00 (20 minutes)

This presentation reviews the state of the art of gantry designs and technologies. Gantries for proton particle therapy are currently installed worldwide, and there is a similar wish to use gantries for particle therapy using hadrons, such as carbon and helium. Only few carbon gantries have been built, based on normal-conducting magnets as well as superconducting magnet technology. Several other design concepts have been proposed, such as the Riesenrad design. A comparison of gantry designs will be presented, including investment cost and operational aspects.

Presenter: MARCO PULLIA (CNAO), FRANK EBSKAMP (DANFYSIK)

Session Classification: Gantries