



Contribution ID: 14

Type: **Talk**

OPAL Simulation for PSI Medical Cyclotron COMET

Friday, 11 May 2012 14:20 (20 minutes)

The PSI medical cyclotron COMET is modelled using the program OPAL, a tool developed at PSI for charged particle optics in accelerator structures and beam lines. For the proper simulation of the COMET cyclotron including the crucial central region, a new feature is introduced to OPAL, which enables a versatile combination of multiple 3D field maps for the acceleration. For the beam collimation in the centre of the COMET cyclotron, the existing collimator in OPAL is extended towards lower energies.

Please indicate preferred presentation (poster or talk?)

talk

Primary author: Dr ZHANG, Hui (Paul Scherrer Institut)

Co-authors: Dr ADELMANN, Andreas (Paul Scherrer Institut); Mr VAN HERWAARDEN, Christiaan (Saxion Hogeschool Enschede); Mr VEENENDAAL, Jeroen (Paul Scherrer Institut); Dr YANG, Jianjun (Paul Scherrer Institut); Dr SCHIPPERS, Marco (Paul Scherrer Institut)

Presenter: Dr ZHANG, Hui (Paul Scherrer Institut)

Session Classification: Beam dynamics