Session Program

Sep 17 – 19, 2015

Superconductivity and other new Developments in Gantry Design for Particle Therapy

SC magnet technology

Park Hotel Bad Zurzach
Badstrasse 44 5330 Bad Zurzach Switzerland

Fri, September 18

9:00 AM

SC magnet technology

Session | **Location:** Park Hotel Bad Zurzach, Badstrasse 44 5330 Bad Zurzach Switzerland | **Convener:** Dr Stephane Sanfilippo

9:00 – 9:30 AM

MgB2 Development for magnets in medical applications

Speaker
Mr Matteo Tropeano

9:30 – 10:00 AM

Last developments and performance of Nb3Sn at CERN

Speaker
Mr Gijs de Rijk

10:00 – 10:30 AM

Cooling methods and cyogenic systems for rotating superconducting magnets

Speaker
Dr Bertrand Baudouy

10:30 AM

11:00 AM

SC magnet technology

Session | **Location:** Park Hotel Bad Zurzach, Badstrasse 44 5330 Bad Zurzach Switzerland | **Convener:** Dr Stephane Sanfilippo

11:00 – 11:30 AM

Dynamic effects on superconducting dipoles used for an ion beam cancer therapy gantry

Speaker
Dr Pasquale Fabbricatore

11:30 AM – 12:00 PM

Magnet design for carbon therapy gantry, comparison of alternatives to superconducting gantry

Speaker
Dr Frank Ebskamp

12:00 – 12:30 PM

Status of the superconducting rotating gantry for heavy-ion therapy

Speaker
Dr Yoshiyuki Iwata

12:30 PM

2:00 PM

SC magnet technology

Session | **Location:** Park Hotel Bad Zurzach, Badstrasse 44 5330 Bad Zurzach Switzerland | **Convener:** Prof. Marco Schippers

2:00 – 2:30 PM

Compact curved superconducting magnets for an ion therapy gantry using the Canted Cosine Teta geometry

Speaker
Dr Shlomo Caspi

2:30 – 3:00 PM

Study of a compact curved superconducting dipole for the next generation of gantries at PSI using racetrack coils

Speaker
Dr Ciro Calzolaio

3:00 – 3:30 PM **Novel lightweight achromatic superconducting magnets for gantries**

Speaker
Dr Leslie Bromberg

3:30 PM