GSI – BIOPHYSICS SEMINAR

Professor Kenneth Long

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Thursday, December 13th, 2018 at 2 p.m.

Lecture hall, Theory SB3 3.170a

Planckstraße 1, 64291 Darmstadt

"Novel accelerators; from muon beams to medical applications"

The techniques used in the work-horse accelerators that today serve pure and applied science are also exploited in industrial and medical applications. These techniques are often based on technologies developed many years ago. New, novel techniques for accelerating and manipulating charged and neutral particle beams are required to study the mysteries and origin of matter. It is conceivable that these novel techniques can also be exploited to enhance clinical capability. There appears to be a convergence of requirement such that by building the capability required to enhance particle-beam-therapy it will also be possible to contribute to a revolution in the provision of particle beams for pure and applied science. I will try and outline areas of synergy and describe the accelerator-development programme being pursued by the Centre for the Clinical Application of Particles at Imperial.

Hosted by Prof. Dr. Marco Durante GSI Helmholtzzentrum für Schwerionenforschung GmbH