Joint DESY and University of Hamburg Accelerator Physics Seminar

Thursday, 10.11.2016

(16:00 in Room 459/30b)

Particle Accelerators Projects in Iran
(Focused on the IPM recent and future projects)

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Abstract

During the 90s, the idea of founding of a particle accelerator national laboratory and to participate in the international particle accelerator projects was born among a few Iranian physicists. At the beginning of this century, this dream turned to reality, mostly under the IPM's umbrella At 2001 and 2005, respectively, the official collaboration with CERN and SESAME was signed. At 2003, a low energy TW electron linear accelerator project was started which aimed at a proof of principle and using as an injector for other accelerators at the one hand and for the industrial and clinical applications at the other hand. At 2004, the accelerator physics Ph.D. Program was started at IPM and 12 students were graduated up to now. At 2009, the national particle accelerator laboratory was founded aimed at to build a light source although the initil idea was a collider. In this talk, the situation of the IPM's Linac project and the Iranian Light Source Facility (ISF) and the IPM's collaboration with the CLIC and LINAC4 projects at CERN will be reviewed. Also, the ideas to build an Inverse-Compton scattering X-ray source facility and a photocathodeRF gun in the future will be discussed.

NOTE THE UNUSUAL DATE

J.Roßbach (Univ. HH) and M.Vogt (MFL).

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