

Welcome, introduction and objectives of the II Mexican Workshop on Accelerator Physics

Monday 22 Nov 2010 at 09:00 (01h00')

An outline of the Mexican experiences on accelerators is given. The results of the first workshop are summarized and the aims of the present workshop, as perceived by the organizers, are put forward.

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Welcome,
Introduction and objectives of the
II Mexican Workshop on
Accelerator Physics

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WELCOME

- On behalf of the Organizing Committee:
- A. Antillón, G. Contreras, G. Herrera, R. López, MM, T. Viveros.

Schedule

- 3 days, intense program.
- We thank our invited speakers for accepting the invitation on short notice.
- & to all participants as well

Our sponsors

- Specially Conacyt for inviting us to share this spectacular setting.
- UNAM, Cinvestav, UAM.

Connection to Redes Conacyt

- The first of this workshops was funded by Conacyt as part of the "Megaprojects" initiative in 2006-2007.
- This lead to the creation of Scientific Networks (Redes Científicas), you will hear more of this during this morning session.

Redes and Workshop

- We appreciate the distinction that Conacyt has given to this project by inviting and supporting this parallel meeting to the supernetwork (red de redes) meeting.
- The Scientific Network idea is one of the innovations that the present Conacyt administration has launched.

Joint Sessions

- Monday 22nd
- Inauguration, next session (10:00)
- Dr. J.A. de la Peña talk (11:00)
- Dr. J. Bordas (17:45)
- Tuesday 23rd
- Dr. G. Herrera (18:00)

1st 2007 Workshop

- Held at the Physics Dept. of Cinvestav.
- 40 mexican scientists of 9 institutions
- + Brookhaven-USA, LNLS-Brazil, Desy & Accel-Germany, SLS-Switzerland.

2007 proposal highlights

- 100 MeV linac
- 3 GeV, 400 m booster
- 5 Experimental lines: SAXS, XAFS, XRD, SXS and PCr.
- 88 MUSD + 5 MUSD/y operation.

Critical areas

- Formation of human resources
- Conceived as a curcial step in the development of a physics accelerator program: Modern acceleration methods, FEL, CLS, hadrotherapy.
- Focus on SL.

2010 turning points

- Dedicated study Conacyt group: SL & Hadrotherapy
- June visit to ALBA

Objectives

- To review and update the conceptual design of a synchrotron light source that we got in the 2007 workshop.
- To consolidate the synchrotron light user community.
- To review the technical and logistical experiences of similar projects. Special emphasis is given to the Brazilian and Spanish Light Sources due to the similarities between our countries.
- To promote the interest of the administrators of science and politicians in the Light Source Project.

Questions

- 3rd generation: scientific opportunities and limitations.
- Brightness race: How much is needed to be cost effective and to foster scientific and technological innovation.
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In the mean time...

- We welcome again all of you !