



II Mexican Workshop on Accelerator Physics: A Light Source

Monday 22 November 2010 - Wednesday 24 November 2010

Hotel Fiesta Americana, Puerto Vallarta, Mexico

Proceedings

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

Dr. MORENO, Matías (Instituto de Física, UNAM)

II. Redes Científicas en México

Dr. DE LA PEÑA, José Antonio (Director Adjunto de Investigación Científica, Conacyt)

III. Introduction to Synchrotron Radiation and Storage Ring Light Sources.

Dr. PODOBEDOV, Boris (BNL)

IV. Light Source Design – Part 1: Parameters, Metrics and Configurations

Dr. HETTEL, Robert (SLAC)

V. Lecture on LNLS + Sirius (3GeV)

Prof. PETROFF, Yves (LNLS)

VI. The ALBA project

Dr. BORDAS, Joan (ALBA)

VII. RF Accelerating Systems for Synchrotron Light Sources

Dr. VOGEL, Hanspeter (RI Research Instruments GmbH)

VIII. Light Source Design – Part 2: Storage Ring Technology

Dr. HETTEL, Robert (SLAC)

IX. Stability Requirements: Buildings, thermal, electrical, Feed back, top-up, etc.

Dr. BORDAS, Joan (ALBA CELLS)

X. Why do we need Sirius? (Scientific examples)

Prof. PETROFF, Yves (LNLS)

XI. Beam Dynamics in Storage Ring Light Sources.

Dr. PODOBEDOV, Boris (BNL)

XII. General Overview of the Advanced Light Source: A soft x-ray/VUV facility

Dr. AGUILAR, Alejandro (LBNL-ALS)

XIII. Beamline Instrumentation: From Insertion Devices to Experimental Stations

Dr. VOGEL, Hanspeter (RI Research Instruments GmbH)

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Prof. JIMENEZ-MIER, Jose (ICN-UNAM)

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Dr. DE LA PEÑA, José Antonio (Conacyt)

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Mr. DE LA MORA, Eugenio (Instituto de Biotecnología, Universidad Nacional Autónoma de México)

XVII. Luz de Sincrotrón para México, por qué sí.

Dr. HERRERA, Gerardo (CINVESTAV)

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Dr. LEON MONZON, Ildefonso (Universidad Autónoma de Sinaloa)

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Mr. BRUCE, Yee Rendon (student)

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Dr. HETTEL, Robert (SLAC)

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Dr. BORDAS, Joan (ALBA CELLS)

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Dr. AGUILAR, Alejandro (LBNL-ALS)

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Dr. PODOBEDOV, Boris (BNL)

XXIV. Gas phase molecular physics experiments in synchrotron sources of second and third generation

Mr. JUAREZ-REYES, Antonio (Instituto de Ciencias Físicas UNAM)