

ASIAN PARTICLE ACCELERATOR CONFERENCE

APAC 2007

Raja Ramanna Centre for Advanced Technology
Central Complex, Indore, INDIA
January 29 – February 2, 2007

<http://apac07.cat.ernet.in>



Picture of North Gate of Sanchi Stupa, Sanchi, MP, India

Topics

Accelerators and Storage Rings

Hadron Colliders, Lepton Colliders, Linear Colliders, Circular Accelerators, Synchrotron Radiation Facilities, Free Electron Lasers, Electrostatic Accelerators, Linear Accelerators, Muon Accelerators and Neutrino Factories, Damping Rings, e-coolers, FFA, Cyclotrons, New Acceleration Techniques, Advanced Concepts, High Intensity Proton Machines, Energy Recovery Linacs (ERLs), Electron-Hadron Colliders, Accelerators and Storage Rings

Subsystems, Technology and Components

Proton and Ion Sources, Lepton Sources, Beam Diagnostics and Instrumentation, Accelerator/Storage Ring Control Systems, Beam Feedback Systems, Room Temperature RF, Superconducting RF, RF Power Sources, Room-Temperature Magnets, SC Magnets, Power Supplies, Beam Injection/Extraction and Transport, Cryogenics, Vacuum Technology, Insertion Devices, Pulsed Power Technology, Alignment and Survey, Radiation Monitoring and Safety, Collimation and Targetry, Infrastructures, Reliability, Operability, Lasers, Technology Transfer, Industrial Collaboration, Subsystems, Technology & components

Beam Dynamics and Electromagnetic Fields

Beam Optics – Lattices, Correction Schemes, Transport Non-linear Dynamics – Resonances Tracking, Higher Order High Intensity – Incoherent Instabilities, Space Charge, Halos, Cooling, Instabilities – Processes, Impedances, Countermeasures Code Developments and Simulation Techniques

Applications of Accelerators

Medical Applications, Materials Analysis and Modification Transmutation and Energy Production

Abstract Submission

August 25, 2006

Registration & Hotel Booking

November 25, 2006

Paper Submission

January 25, 2007

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