

Foreword

To facilitate the timely exchange of achievements in accelerator physics within China, gain insights into international frontiers and development trends, and enhance the level of accelerator physics research in the country, the Particle Accelerator Branch of the Chinese Physical Society and the Chinese Nuclear Society hosted the "15th Symposium on Accelerator Physics" (SAP2025) from September 2 to 5, 2025.

This conference presented and discussed recent research achievements in China's accelerator physics field while introducing and exchanging international cutting-edge advancements. Topics include, but are not limited to: accelerator physics challenges in the operation and enhancement of major accelerator facilities; accelerator physics issues related to new facilities under design and construction, such as novel light sources, colliders, and high-current proton/ion accelerators; novel beam manipulation techniques; nonlinear theory; beam instabilities, beam-beam interactions, novel acceleration principles, accelerating structures, and applications of artificial intelligence methods. It also included accelerator physics issues in applied and small-scale accelerator research.

Guiding Organizations

Chinese Physical Society, Chinese Nuclear Society

Host Organizations

Particle Accelerator Branch of the Chinese Physical Society and the Chinese Nuclear Society

Co-organizing Organizations

Tsinghua University
Xinjiang Institute of Physics and Chemistry, Chinese Academy of Sciences
Beijing Electron-Positron Collider National Laboratory

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