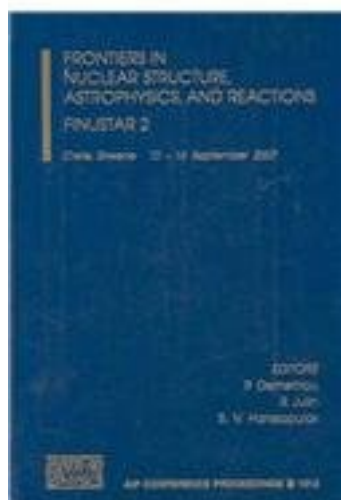


Frontiers in Nuclear Structure, Astrophysics and Reactions



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FINUSTAR 2 covered a wide spectrum of research activities, both theoretical and experimental, in nuclear structure, nuclear astrophysics and nuclear reactions that have been interfering strongly over the last years mainly by the utilization of common instrumentation and research facilities. The topics addressed during the conference were the following: Nuclear structure at the extremes; Exotic excitations and decays; Collective phenomena and symmetries; Nuclear masses and ground-state properties; Synthesis and structure of the heaviest elements; Ab initio calculations and shell model; Mean-field theories, cluster models and molecular dynamics; Nucleon scattering and dynamics at low and intermediate energies; Nuclear reactions off stability and indirect methods; Nucleosynthesis in the cosmos and nuclear physics aspects; Weak-interaction processes; Neutrino physics; Radioactive and exotic relativistic beams; Facilities and instrumentation for the future.

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