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# XXIII DAE High Energy Physics Symposium

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**Editors:** [Prafulla Kumar Behera](#), [Vipin Bhatnagar](#), [Prashant Shukla](#), [Rahul Sinha](#)

Comprises select papers from the XXIII DAE-BRNS High Energy Physics Symposium 2018

Discusses current research advances in different areas of particle and astroparticle physics

Includes contributions from renowned experts associated with major particle physics experiments

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### About this book

This volume presents the peer-reviewed proceedings of the XXIII DAE-BRNS High Energy Physics Symposium 2018, which was held at the Indian Institute of Technology Madras, India, on 10–15 December 2018. Gathering selected contributions, the book highlights the latest developments and research trends in physics, detectors and instrumentation relevant to all branches of particle physics, astroparticle physics and closely related fields. The major topics covered include Standard Model physics, beyond Standard Model physics, neutrino physics, cosmology, formal theory, heavy ion physics & quantum chromodynamics (QCD), particle detectors and future experiments. Given the range of topics discussed, the book will be useful for beginners as well as advanced researchers in the field.

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