

Nuclear Physics:

- Nuclear physics at low and high energies
- Mechanisms of nuclear reactions and structure of nuclei
- Heavy and super-heavy elements: fusion and fission
- Nuclear physics with radioactive ions
- Nuclear astrophysics
- Radiation materials science, nuclear fuel

Elementary Particle Physics:

- Effective theories and hadron spectroscopy
- Hadron physics
- Nuclear matter in the dense environment
- Precision tests of the Standard Model
- Dark Matter and Dark Energy

Condensed Matter Physics:

- Nanophysics
- New materials
- Chaos
- Stochastic systems
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13th APCTP – BLTP JINR Joint Workshop

"Modern Problems in Nuclear and Elementary Particle Physics"

July 8 – 13, 2019, Dubna, Russia