

# The experimental complex for complementary investigations of inclined EAS generated in cosmic ray nuclear interactions

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Experimental complex NEVOD for investigations of cosmic rays in the energy interval ( $10^{15}$ - $10^{19}$  eV) is described. The composition of primary cosmic rays in the high energy region becomes heavier and interactions of these cosmic rays are nucleus-nucleus.

The complex consists of Cherenkov water detector with  $2000\text{ m}^3$  volume, coordinate-tracking detector DECOR with  $70\text{ m}^2$  area, array of scintillator detectors forming calibration telescopes system (CTS) and array of thermal neutron detectors PRISMA. Nowadays, NEVOD is being expanded with three new setups: NEVOD-EAS of  $10^5\text{ m}^2$  for determination of air shower axis, URAN for registration of neutrons in EAS, and coordinate-tracking detector TREK on drift chambers of  $250\text{ m}^2$  effective area.

The first part of new detectors is now under operation. Examples of detection of the first events by means of the combined array are discussed.

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