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Research interests:

- Studies of Silicon Photomultipliers (SiPM)
- SiPM applications in High Energy Physics. Electromagnetic calorimetry.
  - ECAL0 is additional electromagnetic calorimeter for the upgraded experiment COMPASS-II (Switzerland, CERN).
  - R&D and beam tests of ECAL0 modules
  - Data processing. (2009 – till now)
  - R&D and beam tests for NICA/MPD (JINR, Russia, Dubna) electromagnetic calorimeter modules. Data processing (2009 – till 2017)
- SiPM applications in Nuclear medicine. Positron Emission Tomography (PET).
- Studies of pure Cesium Iodide (CsI) crystals for Electromagnetic calorimetry. Data processing. (2012 – 2015)
- Studies of electronics and liquid scintillator properties for NOvA experiment (FermiLab, USA, 2014-till now)
- Studies and mass-characterization of large photocathode 20" PMT for JUNO experiment (China, IHEP, 2016 – till now)
- Studies and mass-characterization of SiPM for TAO/JUNO.
- Light Readout lead (ND-LAr consortium) the ND DUNE experiment (Fermilab, 2018 – till now)