

# Reconstruction software of the silicon tracker of DAMPE

- DAMPE is a powerful high-energy satellite-borne particle detector launched in December 2015
- The talk covers:
  - **Track reconstruction software**: discuss advantages of combined 2D track finding in X and Y for silicon-strip detectors
  - **CAD-2-GDML converter**: an in-house easy-to-use tool for converting CAD drawings of the detector into GDML format, used by GEANT4
  - **Alignment software**: novice alignment algorithm is presented, which allows to approach maximum possible direction resolution of the instrument, even for tracks with high inclination