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