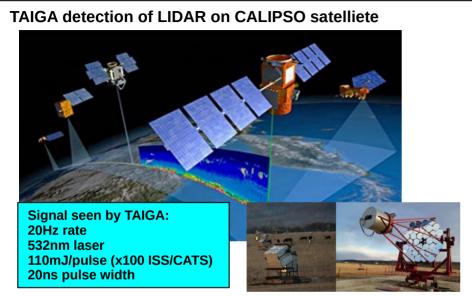
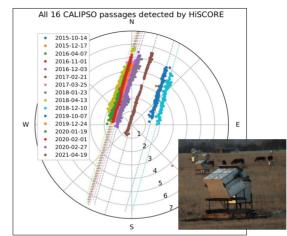
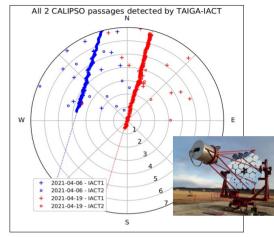
Satellite-based Calibration of the TAIGA-HISCORE Cerenkov Array by the LIDAR on-board CALIPSO.

Andrea Porelli (DESY-Zeuthen) for The TAIGA Collaboration, ICRC 2021, Berlin, 12-23 July 2021



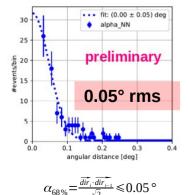


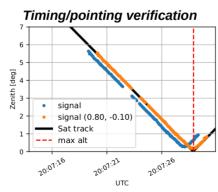


HiSCORE: 16 passages seen between 2015-2021 (archival analysis)
IACT: 2 passages seen with both TAIGA-IACTs in April 2021 (targeted observation)
* First experience in 2015-2017: 11 passages of similar LIDAR on CAST onboard ISS

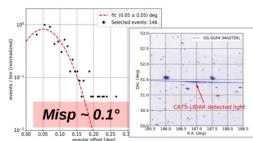
Angular resolution: neighbour events

Ground array calibration with LIDAR





Pointing verification (CATS+MASTER)



Pointing calibration analysis with LIDAR tested with CATS/ISS(+MASTER) - ICRC17. In progress with CALIPSO(+IACT)

Station time calibration (CATS+MASTER)

