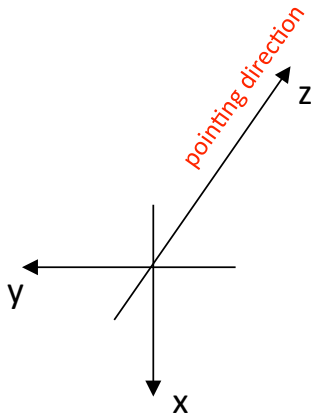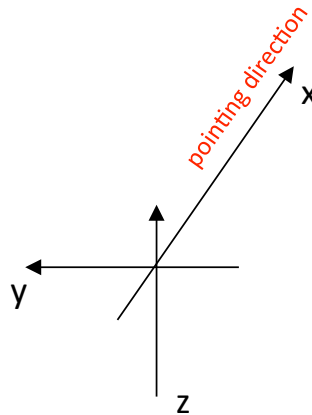# The different coordinate systems/ FoV axis conventions currently used for HAP fits-export
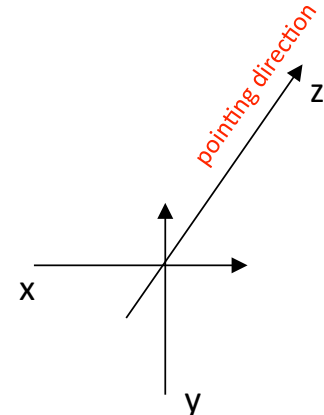

- HESS-intern

→ defines axis conventions of

- Tangential RaDec system:
  SKYX_RADEC, SKYY_RADEC

- Nominal system:
  DETX, DETY

ATTENTION:
Coordinates in the nominal system are additionally multiplied by (-1) to take the mirroring into account!

- System which defines the LON/LAT FoV coordinates

- FOV_RADEC_LON/LAT
- FOV_ALTAZ_LON/LAT

- System which defines the offset FoV coordinates

- FOV_RADEC_THETA/PHI
- FOV_ALTAZ_THETA/PHI