Description of the various variables

1 Trending file

BinStart, BinEnd	Timestamps (seconds elapsed from 1 January 2007) of the beginning and end of a minute of data acquisition
RateHitEvents, RateHitEventsErr	Rate (in Hz) of the events with 1 hit per chamber. RateHitEventsErr is the associated statistical error
RateTrackEvents	Rate of events with a track
...Theta0_10	Rate of events with a track with $\theta \in (0, 10)$ grad (not so useful for POLA detector because the tracking is very poor)
FractionTrackEvents	Fraction of events with a good track
IndoorTemperature	Temperature in the room
OutdoorTempearture	Temperature close to electronics
AvTOTBot, AvTOTMid, AvTOTTop	Average time over threshold of the channels in the bottom, middle and top plane respectively (AvTOTTop does not apply for POLA)

2 Header file

RunStart, RunStop	Timestamps (seconds elapsed from 1 January 2007) of the beginning and stop of the run (RunDuration is the difference)
NumEvents	Number of triggered events
NumHitEvents (NumTrackEvents)	Number of events with hits (tracks) in both planes
NumNoHitEvents	Number of problematic events (no hits)
NumMalformedEvents	Number of malformed events (always 0)
NumBackwardEvents	Number of events in wrong order in time
telscopes	Name of telescope
Zbottom, Zmiddle	Position in the vertical axis of planes (0, 11 cm for polar)
latitude, longitude, altitude	GPS coordinates
nSatellites	Average number of satellites seen during the run
DeadChMask	Not useful for polar
rtcFake	Number of seconds without a good GPS time