run 2963, event 5480

time stamp: 934517990 s 48106624 ns

Trigger: 'Physics - Int or L/R trigger', 'Shower Candidate'

in Los Leones mirror 2 (in DAQ: 1 2 3 4 5 6)

geometry: hybrid, station 357 (ToT), showerPlaneDistance = 220 m

$(\theta, \phi) = (42.6\pm0.9, 314.2\pm0.6)$ deg

$(x, y) = (-2.85\pm0.07, -23.10\pm0.11)$ km

$R_p = 14.97 \pm 0.07$ km

profile: 4-parameter Gaisser-Hillas (type: USP)

$E = (1.94 \pm 0.13 \pm 0.11) \times 10^{18}$ eV

$X_{max} = 585 \pm 32$ g/cm^2

$(dE/dX)_{max} = 2.85 \pm 0.13$ PeV/(g/cm^2)

$(\lambda, X_0, L) = (60, -305, 232\pm10)$ g/cm^2, $R = 0.26\pm0.05$

Cherenkov-fraction = 13%, mva=47 deg.

databases:

Mie attenuation: measured (h<2.5 km, VAOD at 3km: 0.02)

LIDAR: no data ; CloudCam: no data; CloudMap: no data

molecular profile: GDAS; time correction: good