

## run 3271, event 7623

time stamp: 937295392 s 594636976 ns

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

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

**geometry: hybrid, station 943 (ToT), showerPlaneDistance = 532 m**

$(\theta, \phi) = (40.9 \pm 0.7, 27.8 \pm 1.2)$  deg

$(x, y) = (-33.02 \pm 0.11, 2.29 \pm 0.05)$  km

$R_p = 11.88 \pm 0.03$  km

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

$E = (1.30 \pm 0.09 \pm 0.07) \times 10^{18}$  eV

$X_{\max} = 586 \pm 33$  g/cm<sup>2</sup>

$(dE/dX)_{\max} = 1.94 \pm 0.09$  PeV/(g/cm<sup>2</sup>)

$(\lambda, X_0, L) = (57, -302, 226 \pm 11)$  g/cm<sup>2</sup>,  $R = 0.25 \pm 0.05$

Cherenkov-fraction = 10%, mva=72 deg.

## databases:

Mie attenuation: measured (h<4.5 km, VAOD at 3km: 0.05)

LIDAR: no data ; CloudCam: max( $\zeta$ )=(0/0)% (elev>5.5<sup>^</sup>); CloudMap: max=0%

molecular profile: GDAS; time correction: good