

## run 216, event 7651

time stamp: 876288946 s 917692507 ns

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

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

**geometry: hybrid, station 1400 (ToT), showerPlaneDistance = 690 m**

$(\theta, \phi) = (42.0 \pm 1.4, 173.7 \pm 2.5)$  deg

$(x, y) = (8.47 \pm 0.25, 23.21 \pm 0.15)$  km

$R_p = 11.95 \pm 0.05$  km

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

$E = (1.10 \pm 0.08 \pm 0.06) \times 10^{18}$  eV

$X_{\max} = 577 \pm 58$  g/cm<sup>2</sup>

$(dE/dX)_{\max} = 1.63 \pm 0.08$  PeV/(g/cm<sup>2</sup>)

$(\lambda, X_0, L) = (58, -305, 227 \pm 12)$  g/cm<sup>2</sup>,  $R = 0.26 \pm 0.05$

Cherenkov-fraction = 5%, mva=70 deg.

## databases:

Mie attenuation: measured (h<16.4 km, VAOD at 3km: 0.09)

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

molecular profile: GDAS; time correction: good