run 5990, event 6896

time stamp: 1130741377 s 774962570 ns
Trigger: 'Physics - Int or L/R trigger', 'Shower Candidate'
in Coihueco mirror 4 (in DAQ: 1 2 3 4 5 6)

geometry: hybrid, station 914 (ToT), showerPlaneDistance = 107 m

(θ, ϕ) = (48.0±0.8, 253.5±0.7) deg
(x, y) = (-19.04±0.03, 13.42±0.07) km
R_p = 12.84 ± 0.03 km

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

E = (1.63 ± 0.10 ± 0.09) × 10^{18} eV
X_{max} = 1011 ± 29 g/cm^2
$(dE/dX)_{max}$ = 2.42 ± 0.09 PeV/(g/cm^2)
(λ, X_0, L) = (59, 131, 227±11) g/cm^2, R = 0.26±0.05
Cherenkov-fraction = 8%, mva=72 deg.

databases:

Mie attenuation: measured (h<7.6 km, VAOD at 3km: 0.05)
LIDAR: no data ; CloudCam: max(ζ)=(100/100)% (elev>5.5°); CloudMap: max=80%
molecular profile: GDAS; time correction: good