**run 5587, event 3918**

  time stamp: 1098324943 s 35244243 ns

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

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

**geometry: hybrid, station 1060 (ToT), showerPlaneDistance = 783 m**

  $(\theta, \phi) = (60.8 \pm 0.3, 28.8 \pm 0.6)$ deg

  $(x, y) = (-34.46 \pm 0.11, -3.05 \pm 0.06)$ km

  $R_p = 15.47 \pm 0.03$ km

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

  $E = (6.28 \pm 0.24 \pm 0.40) \times 10^{18}$ eV

  $X_{max} = 1027 \pm 18$ g/cm$^2$

  $(dE/dX)_{max} = 9.33 \pm 0.19$ PeV/(g/cm$^2$)

  $(\lambda, X_0, L) = (64, 198, 230 \pm 7)$ g/cm$^2$, $R = 0.28 \pm 0.04$

  Cherenkov-fraction = 6%, mva=66 deg.

**databases:**

  Mie attenuation: measured (h<2.5 km, VAOD at 3km: 0.09)

  LIDAR: no data ; CloudCam: max($\zeta$)=(100/100)% (elev>5.5$^\circ$); CloudMap: max=0%

  molecular profile: GDAS; time correction: good