run 4254, event 9323

  time stamp: 1024213638 s 375267917 ns

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

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

geometry: hybrid, station 145 (ToT), showerPlaneDistance = 678 m

  $(\theta, \phi) = (47.2 \pm 0.4, 236.5 \pm 1.9)$ deg

  $(x, y) = (-7.15 \pm 0.15, -13.70 \pm 0.13)$ km

  $R_p = 11.97 \pm 0.04$ km

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

  $E = (1.60 \pm 0.13 \pm 0.09) \times 10^{18}$ eV

  $X_{max} = 593 \pm 39$ g/cm^2

  $(dE/dX)_{max} = 2.38 \pm 0.14$ PeV/(g/cm^2)

  $(\lambda, X_0, L) = (58, -298, 228 \pm 11)$ g/cm^2, $R = 0.26 \pm 0.05$

  Cherenkov-fraction = 7%, mva=107 deg.

databases:

  Mie attenuation: measured (h<8.9 km, VAOD at 3km: 0.00)

  LIDAR: h(cloud)=5.3 km, 97%; CloudCam: no data; CloudMap: max=80%

  molecular profile: GDAS; time correction: good