run 2748, event 3625

   time stamp: 954904160 s 67301855 ns
   Trigger: 'Physics - Int or L/R trigger', 'Shower Candidate'
   in Los Morados mirror 5 (in DAQ: 1 2 3 4 5 6)

geometry: hybrid, station 529 (ToT), showerPlaneDistance = 112 m

   $(\theta, \phi) = (60.9 \pm 0.5, 148.1 \pm 0.7)$ deg
   $(x, y) = (9.85 \pm 0.09, -11.12 \pm 0.11)$ km
   $R_p = 12.13 \pm 0.05$ km

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

   $E = (3.79 \pm 0.15 \pm 0.22) \times 10^{18}$ eV
   $X_{max} = 1004 \pm 38$ g/cm^2
   $(dE/dX)_{max} = 5.63 \pm 0.19$ PeV/(g/cm^2)
   $(\lambda, X_0, L) = (62, 159, 229 \pm 8)$ g/cm^2, $R = 0.27 \pm 0.05$
   Cherenkov-fraction = 19%, mva=31 deg.

databases:

   Mie attenuation: measured (h<16.3 km, VAOD at 3km: 0.07)
   LIDAR: h(cloud)=100.0 km, 0%; CloudCam: max(ζ)=(0/0)% (elev>5.5^$\circ$); CloudMap: no data
   molecular profile: GDAS; time correction: good