**run 2728, event 710**

   time stamp: 953083570 s 134299185 ns

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

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

**geometry: hybrid, station 775 (ToT), showerPlaneDistance = 498 m**

   $(\theta, \phi)$ = (50.0±0.7, 177.9±0.6) deg

   $(x, y)$ = (16.12±0.05, 4.79±0.06) km

   $R_p$ = 10.00 ± 0.04 km

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

   $E$ = $(1.51 \pm 0.07 \pm 0.08) \times 10^{18}$ eV

   $X_{max}$ = 1096 ± 26 g/cm$^2$

   $(dE/dX)_{max}$ = 2.17 ± 0.07 PeV/(g/cm$^2$)

   $(\lambda, X_0, L)$ = (53, 49, 235±9) g/cm$^2$, $R$ = 0.23±0.05

   Cherenkov-fraction = 16%, mva=37 deg.

**databases:**

   Mie attenuation: measured (h<5.9 km, VAOD at 3km: 0.07)

   LIDAR: h(cloud)=100.0 km, 0%; CloudCam: max($\zeta$)=(0/0)% (elev>5.5°); CloudMap: max=0%

   molecular profile: GDAS; time correction: good