run 4621, event 742

   time stamp: 1050027415 s 705310317 ns
   Trigger: 'Physics - Int or L/R trigger', 'Shower Candidate'
   in Los Leones mirror 4 (in DAQ: 1 2 3 4 5 6)

geometry: hybrid, station 393 (ToT), showerPlaneDistance = 338 m

   (θ, ϕ) = (63.4±0.4, 16.0±1.5) deg
   (x, y) = (-23.57±0.20, -16.55±0.11) km
   R_p = 11.89 ± 0.04 km

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

   E = (1.81 ± 0.08 ± 0.10) $\times 10^{18}$ eV
   X_{max} = 1016 ± 32 g/cm^2
   $(dE/dX)_{max}$ = 2.67 ± 0.08 PeV/(g/cm^2)
   (λ, X_0, L) = (58, 105, 229±9) g/cm^2, R = 0.25±0.05
   Cherenkov-fraction = 9%, mva=39 deg.

databases:

   Mie attenuation: measured (h<10.4 km, VAOD at 3km: 0.02)
   LIDAR: h(cloud)=8.2 km, 62%; CloudCam: no data; CloudMap: max=20%
   molecular profile: GDAS; time correction: good