



Contribution ID: 1190

Type: **Poster contribution**

Data Accessibility, Reproducibility and Trustworthiness with LAGO Data Repositories

Thursday, July 30, 2015 3:30 PM (1 hour)

Nowadays, one of the most challenging scenarios scientists and scientific communities are facing is the huge amount of data emerging from vast networks of sensors and from computational simulations performed in a diversity of computing architectures and e-infrastructures. In this work we present the strategy of the Latin American Giant Observatory (LAGO) to catalog and preserve a vast amount of data produced by the water-Cherenkov Detector network and the complete LAGO simulation chain that characterize each site. Metadata, Permanent Identifiers and the facilities from the LAGO Data Repository are described. These initiatives allow researchers to find data and directly use them in a code running by means of a Science Gateway that provides access to different clusters, Grid and Cloud infrastructures worldwide.

Collaboration

LAGO

Registration number following "ICRC2015-I"

26

Primary authors: Dr TORRES, Alejandro (Universidad Industrial de Santander); CAZAR RAMÍREZ, Dennis (Universidad San Francisco de Quito); ASOREY, Hernan (Comision Nacional de Energia Atomica); NÚÑEZ, Luis A. (University of Los Andes); Dr RODRIGUEZ PASCUAL, Manuel (CIEMAT); Dr MAYO, RAFAEL (CIEMAT)

Presenter: CAZAR RAMÍREZ, Dennis (Universidad San Francisco de Quito)

Session Classification: Poster 1 CR

Track Classification: CR-IN