

Identification and Characterization of the signal proceded by muons in water Cherenkov detectors of the LAGO observatory (Latin American Giant Observatory)

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Semillero Investigation chitarero



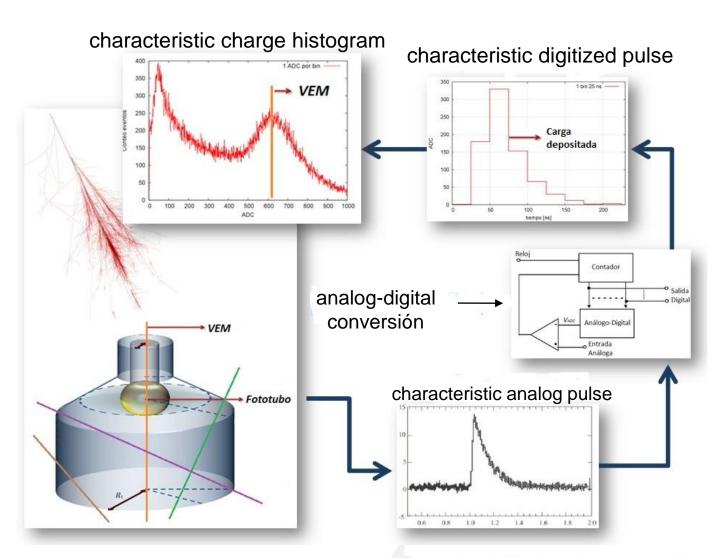






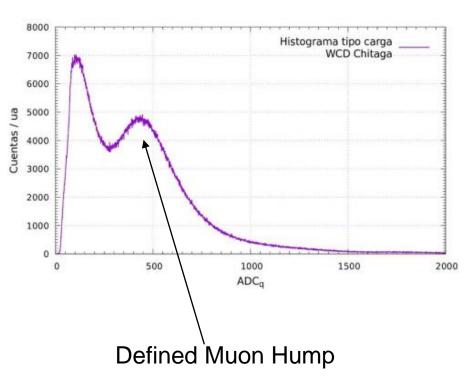
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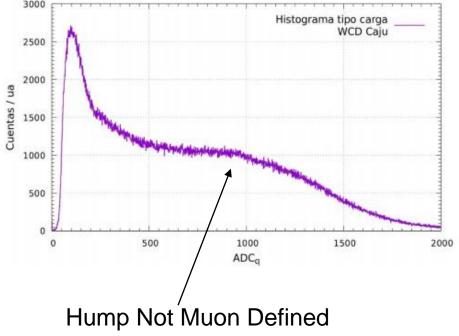




What The Problem?

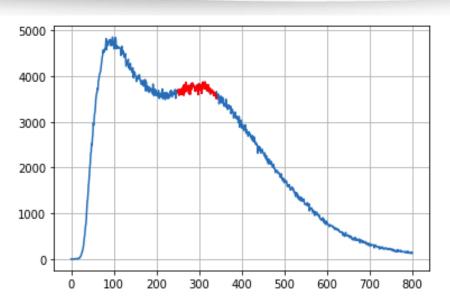




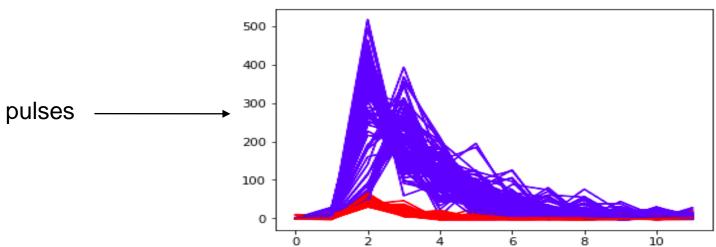


Preliminary Results



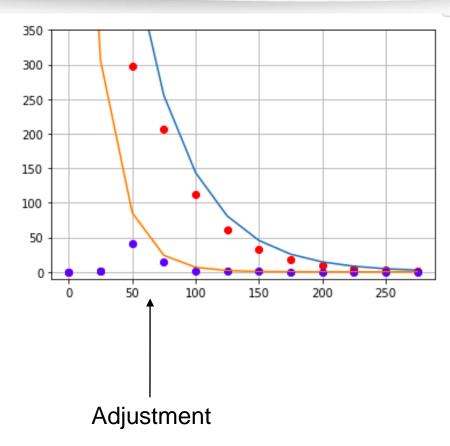


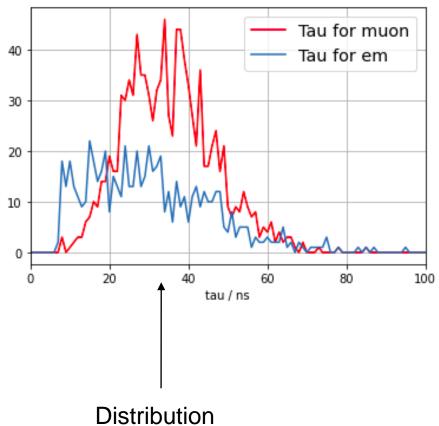
Histogram charge



Preliminary Results







Remarks



- > Obtain a physical parameterization of the signal produced by muon-type particles by the interaction with a LAGO observatory detector
- > Design of an algorithm to identify the signal produced by muon-type particles in a LAGO observatory detector.
- ➤ Consolidate the University of Pamplona, and the Physics program, as institution that actively contributes to the development of the objectives scientists from the LAGO observatory



Thank you

