Contribution ID: **589**   Type: **Poster Presentation**

Shannon entropy and hadron decays

How much information is added to the Review of Particle
Physics when a new decay branching ratio of a hadron is measured and
reported? This is quantifiable by Shannon's information entropy. It may
be used at two levels, the distribution of decay-channel probabilities,
and the distribution of individual quantum-state probabilities
(integrating the later provides the former). We illustrate the concept
with some examples.

Experimental Collaboration

Authors: LLANES-ESTRADA, Felipe J. (Univ. Complutense de Madrid); M. ÁNGELES GARCÍA FERRERO, ANA PORRAS, PEDRO CARRASCO MILLÁN, ESTEBAN MANUEL SÁNCHEZ GARCÍA

Presenter: LLANES-ESTRADA, Felipe J. (Univ. Complutense de Madrid)

Session Classification: Poster session

Track Classification: QCD and Hadronic Physics