Type: Talk

## Structure of \Xi hypernuclei and \Xi N interaction

Monday, 25 September 2017 17:10 (20 minutes)

It is important to study \Xi N interaction in hypernuclear physics. However, due to no \Xi N scattering data, it is essentail to study \Xi hypernuclei. Recently, we observed a \Xi hypernuclues, called as Kiso event, to have a bound state for the first time. From this data, we found that \Xi N interaction should be attractive. In this conference, we discuss that what kind of \Xi N interaction should be obtained from the data and in the future what kinds of \Xi hypernuclei we should have at J-PARC facility.

Primary author: Prof. HIYAMA, Emiko (RIKEN)

Presenter: Prof. HIYAMA, Emiko (RIKEN)

Session Classification: Hadrons in matter including hypernuclei

Track Classification: Hadrons in matter including hypernuclei