



# KSETA highlight lectures

**Prof. Dr. Takaaki Kajita**

*(ICRR University of Tokyo, Julius Wess Awardee 2013)*

**July 10, 2014 9:45 – 11:15 h**

KIT campus south, Gaede lecture hall

## Studies of atmospheric neutrinos: (1) Early days

The deficit of atmospheric muon-neutrinos was discovered in 1988. In this lecture, I will review the studies of atmospheric neutrinos until the 1998 discovery of atmospheric neutrino oscillations.

13:30 – 15:00 h, Discussion session on neutrino physics, room tba

**July 11, 2014 9:45 – 11:15 h**

KIT campus south, Gaede lecture hall

## Studies of atmospheric neutrinos: (2) Present and future

After the discovery of neutrino oscillations, atmospheric neutrinos have been contributing to the understanding of neutrino masses and mixing angles. I will present various studies of atmospheric neutrinos that have been carried out so far and discuss prospect of the future atmospheric neutrino studies.

13:30 – 15:00 h, Discussion session on neutrino physics, room 229.3, bldg. 30.22

Registration required: <http://indico.scc.kit.edu/indico/event/kajita-lectures>

**[www.kseta.kit.edu](http://www.kseta.kit.edu)**