Contribution ID: **64** Type: **not specified**

CAPP optical magnetometer station for GNOME

Wednesday 17 May 2017 09:55 (15 minutes)

The Global Network of Optical Magnetometers to search for Exotic physics (GNOME) is an experiment to search for transient events of axion domain walls based on a novel scheme: synchronous measurements of high precision optical magnetometer signals from multiple stations around the Earth. This collaboration now consists of more than 10 magnetometer stations located geologically well apart from each other. One of them, the CAPP is a newly joined station at Daejeon, South Korea and expects to start the operation of an optical magnetometer for GNOME by the end of 2017. We present initial setup and characterization of the atomic magnetometer at CAPP station.

Primary author: Dr SHIN, Yun Chang (Center for Axion and Precision Physics)

Co-authors: Mr KIM, Dong-Ok (Department of Physics, KAIST); Prof. YANNIS K., Semertzidis (Center for Axion and Precision Physics)

Presenter: Dr SHIN, Yun Chang (Center for Axion and Precision Physics)

Session Classification: Session 9