



ADPRIM 2014

12th Asia-Pacific Regional IAU Meeting
August 18-22, 2014 / DCC, Daejeon, Korea

Session: Plenary Session III

Date: August 20, 2014 (Wednesday)

Time: 09:00~10:30

Room: Grand Ballroom 1

Chair: Harinder P. Singh (Delhi University)

[P3-1]

09:00~09:30

LAMOST

Xiaowei Liu (Peking University, China)

*To be announced

[P3-2]

09:30~10:00

A Star Cluster View of the Universe

Myung Gyoon Lee (Seoul National University, Korea)

Lives are formed in stars, and stars are formed in star clusters. Star clusters have been formed from the reionization era after the Big Bang. Most of them were disrupted, being part of galaxies. Some of the first generation survived, being called globular clusters. New star clusters are being born in various environments even today. Recently a new class of stellar systems between star clusters and dwarf galaxies are being found, bridging the gap between the two. Thus star clusters keep invaluable fossil record of the universe, being a powerful probe to investigate the history of the universe. A new world of star clusters will be presented in relation with formation and evolution of large scale structures in the universe.

[P3-3]

10:00~10:30

The Bicep2 Experiment and Results

Hien Nguyen (Jet Propulsion Laboratory, California Institute of Technology, USA)

I will briefly review the inflationary paradigm that leads to the experimental technique for the detection of primordial gravitational waves. And I will follow with an account on how Bicep2 instrument came about, and discuss its recent result.