Interconnection between Particle Physics and Cosmology

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May 22, 2017

[Credits]
- Images of Baryon Acoustic Oscillations with Cosmic Microwave Background by E.M. Huff, the SDSS-III team, and the South Pole Telescope team. Graphic by Zosia Rostomian (Lawrence Berkeley National Laboratory)
- Image of Neutrino Astrophysics, taken from https://astro.desy.de/
- Image of the LHC by CERN Photo
- Image of Bullet Cluster by NASA/Chandra X-ray Center
- Image of the merging black hole binary system into One by SXS, the Simulating eXtreme Spacetimes (SXS) project
Welcome

And thanks to TAMU-Corpus Christi for hosting this workshop and to IPAC for their advice on the program.

SCIENTIFIC TOPICS
DARK ENERGY • BARYOGENESIS • LARGE SCALE STRUCTURE • PRIMORDIAL COSMOLOGY
DIRECT AND INDIRECT DARK MATTER DETECTION • GRAVITATIONAL WAVES
COSMIC MICROWAVE BACKGROUND MEASUREMENTS • PARTICLE ACCELERATOR MEASUREMENTS.
NEUTRINO MASSES AND OSCILLATIONS • HIGGS BOSON PHYSICS

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Teruki Kamon

PPC 2011 at CERN, June 14-18
PPC 2012 at KIAS, Korea, Nov. 5-9
PPC 2013 at CETUP*, SD, USA, July 8-13
PPC 2014 at Univ. de Guanajuato, Mexico, June 23-27
PPC 2015 at CETUP*, SD, USA, June 28 - July 3
PPC 2016 at CTP-SAIFR/IFT-UNESP, São Paulo, Brazil, July 11-15
PPC 2017 at TAMU Corpus Christi
PPC 2018 at (TBD)
The poster was designed during lunch meetings...