

CIPANP 2018 - Thirteenth Conference on the Intersections of Particle and Nuclear Physics

Tuesday, 29 May 2018

Particle and Nuclear Astrophysics: Parallel 1 — Neutrino Astrophysics - North Foyer | Joshua Tree Room (14:00 - 15:40)

-Conveners: Barry Davids; Wick Haxton

| time | [id] title | presenter |
|-------|--|---------------------|
| 14:00 | [275] Astrophysical Neutrinos from IceCube | KLEIN, Spencer |
| 14:20 | [196] Results from ANITA | Dr DEACONU, Cosmin |
| 14:40 | [197] Precision Constraints on Nuclear and Neutrino Reactions via Big Bang Nucleosynthesis | Dr PARIS, Mark |
| 15:00 | [68] Neutrinos from Beta Processes in Presupernovae | Dr PATTON, Kelly |
| 15:20 | [159] Multi-Angle Simulations of Matter-Neutrino Resonance | Dr VLASENKO, Alexey |

Wednesday, 30 May 2018

Particle and Nuclear Astrophysics: Parallel 3 — Nuclear Astrophysics - North Foyer | Joshua Tree Room (14:00 - 15:40)

-Conveners: Wick Haxton; Barry Davids

| time | [id] title | presenter |
|-------|---|-----------------------|
| 14:00 | [125] Stellar Explosions in the Lab: Measurements of Key Nuclear Reactions Driving Nucleosynthesis | Prof. CHRISTIAN, Greg |
| 14:20 | [28] Nuclear Astrophysics Underground: Status & Future | Prof. STRIEDER, Frank |
| 14:40 | [153] Improving Astrophysical Nuclear Rates with New Many-Body and Fewer-Body Reaction Models | Dr NOLLETT, Kenneth |
| 15:00 | [86] Probing Explosive Nucleosynthesis with TwinSol Measurements | BARDAYAN, Dan |
| 15:20 | [94] Sensitivity Study for the $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ Astrophysical Reaction Rate | HOLT, Roy |

Thursday, 31 May 2018

Particle and Nuclear Astrophysics: Parallel 6 — Particle Astrophysics - North Foyer | Joshua Tree Room (16:10 - 18:30)

-Conveners: Barry Davids; Wick Haxton

| time | [id] title | presenter |
|-------|--|---------------------------|
| 16:10 | [133] Latest Results from the AMS Experiment on the International Space Station | Dr GIOVACCHINI, francesca |
| 16:40 | [360] New Results and Update on Ultrahigh Energy Cosmic Rays | FARRAR, Glennys |
| 17:10 | [85] Recent Highlights from the High Altitude Water Cherenkov Observatory | ALBERT, Andrea |
| 17:30 | [87] IceCube/DeepCore Results on Neutrino Properties Using Atmospheric Neutrinos | Ms HUANG, Feifei |
| 17:50 | [65] Recent Status and Future Plans for the China JinPing Underground Laboratory | Dr YUE, Qian |
| 18:10 | [326] NuSTAR and Super-Eddington Accretion onto Neutron Stars | Dr BRIGHTMAN, Murray |

Friday, 1 June 2018

Particle and Nuclear Astrophysics: Parallel 8 — Neutron Stars - North Foyer | Joshua Tree Room (16:10 - 18:30)

-Conveners: Wick Haxton; Barry Davids

| time | [id] title | presenter |
|-------|---|-------------------------|
| 16:10 | [247] Sites of the r-process: supernovae and mergers: Recent Successes and Current Issues | FRYER, Chris |
| 16:40 | [176] Properties of the Binary Neutron Star Merger GW170817 | Dr LACKEY, Benjamin |
| 17:10 | [177] Numerical Simulations of Neutron Star Mergers | Prof. FOUCART, Francois |
| 17:30 | [167] Applications of Chiral Forces to Nuclear Matter and Neutron Stars | Dr DRISCHLER, Christian |
| 17:50 | [305] Studying Lanthanide Production in r-Process Nucleosynthesis | Dr VASSH, Nicole |
| 18:10 | [173] R-Process Experiments with Unstable Isotope Beams | ESTRADE, Alfredo |