



# 14th Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2022)

## Tuesday, August 30, 2022

**PNA: Particle and Nuclear Astrophysics: Isomers and Astromers - Narcissus/Orange (3:30 PM - 5:30 PM)**

-Conveners: Kate Grzywacz Jones; Sanjay Reddy

time	[id] title	presenter
3:30 P	[M174] Overview: Astromers, astrophysical isomers	MISCH, Wendell
4:10 P	[M196] Nuclear-Network Calculations with Long-Lived Isomers	MEYER, Bradley
4:35 P	[M188] Recent experiments on astromers in the sd shell	PAIN, Steven
5:00 P	[M198] Gamma-ray astronomy with the Compton Spectrometer and Imager	BEECHERT, Jacqueline

# Wednesday, August 31, 2022

## PNA: Particle and Nuclear Astrophysics: The Chemical History of the Early Universe - Narcissus/Orange (1:00 PM - 3:00 PM)

-Conveners: Kate Grzywacz Jones; Sanjay Reddy

time	[id] title	presenter
1:00 PM	[M81] Overview: The Spectroscopy of the Oldest Stars	EZZIDDINE, Rana TBD
1:40 PM	[M90] Nuclear Physics Measurements to understand Big Bang Nucleosynthesis	BRUNE, Carl
2:05 PM	[M60] The Plasma Window as a Vacuum-Atmosphere Interface for Measurements of Stellar Neutron-Induced Reaction Cross Sections	Mr RUI MI, Ophir
2:30 PM	[M2] Electromagnetic radiation from axion condensates in a time dependent magnetic field	SIVERTSEN, Lars

# Thursday, September 1, 2022

## **PNA: Particle and Nuclear Astrophysics: r-process and supernova nucleosynthesis - Narcissus/Orange (3:30 PM - 5:30 PM)**

-Conveners: Kate Grzywacz Jones; Sanjay Reddy

time	[id]	title	presenter
3:30 PM	M133	Jade: a radioactive decay network and its application to the astrophysical r process	SPROUSE, Trevor
3:55 PM	M19	Hadron-quark phase transitions in core-collapse supernovae	SULIGA, Anna

# Friday, September 2, 2022

## PNA: Particle and Nuclear Astrophysics: The transient sky - Narcissus/Orange (10:30 AM - 12:30 PM)

-Conveners: Kate Grzywacz Jones; Sanjay Reddy

time	[id] title	presenter
10:30 AM	[M10] Unique Properties of Cosmic Rays: Results from the Alpha Magnetic Spectrometer	JIA, Yi
11:00 AM	[M4] The decay of $^{133}\text{In}$ : a bridge between nuclear structure and the r-process	XU, Zhengyu
11:25 AM	[M3] Constraining the $^{30}\text{P}(p,\gamma)^{31}\text{S}$ reaction using $^{30}\text{P}(d,p\gamma)^{31}\text{P}$ with GODDESS	GRZYWACZ JONES, Kate GHIMIRE, Rajesh PAIN, Steve THE GODDESS COLLABORATION

# Saturday, September 3, 2022

## **PNA: Particle and Nuclear Astrophysics: Neutrino Astrophysics - Narcissus/Orange (1:00 PM - 3:00 PM)**

-Conveners: Alessandra Lucà; Sanjay Reddy; Kate Grzywacz Jones

time	[id] title	presenter
1:00 PM	[M150] Neutrino oscillations in supernovae and mergers	MCLAUGHLIN, Gail
1:40 PM	[M151] Detecting Supernova Neutrinos	SCHOLBERG, Kate
2:05 PM	[M171] Latest Results from IceCube and High-Energy Neutrinos	Dr DELAUNAY, James

## **PNA: Particle and Nuclear Astrophysics: Neutron Stars and mergers - Narcissus/Orange (3:30 PM - 5:30 PM)**

-Conveners: Alessandra Lucà; Sanjay Reddy; Kate Grzywacz Jones

time	[id] title	presenter
3:30 PM	[M131] Neutron star mergers: From gravity to nuclear physics	MOST, Elias
4:10 PM	[M147] Gravitational waves from binary neutron stars and neutron star black-hole mergers	CHATZILIOANNOU, Katerina
4:35 PM	[M149] Symmetry Energy	TSANG, Betty