



# CNP research day

## Friday, December 13, 2024

### Morning 1: Morning 1 (9:00 AM - 5:00 PM)

time	[id] title	presenter
9:00 AM	[5] Welcome	HUBER, Patrick
9:15 AM	[1] Predicting the Diffuse Supernova Neutrino Background	CARUSO, Andrew
9:30 AM	[2] Diffuse Boosted Cosmic Neutrino Background	QI, Xiaolin
9:45 AM	[3] PALEOCCENE	WALKUP, Keegan
10:00 AM	[6] CryoCsl - a future COHERENT detector	DING, Keyu
10:15 AM	[8] Near-Field Reactor Neutrino Applications	KYZYLOVA, Olga
10:30 AM	Break	
11:00 AM	[9] The MOLLER Experiment and Its Scanner Detectors	GUNSCH, Andrew
11:15 AM	[10] Scattered Beam Monitors for the MOLLER Experiment	VALMASSEI, Daniel
11:45 AM	[11] New physics from neutrinos at dark matter experiments	HERRERA, Gonzalo
12:15 PM	Lunch	
1:30 PM	[4] Directional Dark Matter Searches	PEINADO ZAMORA, Rosa Luz
1:45 PM	[12] Inelastic Dark Matter around Active Galactic Nuclei	GUSTAFSON, Andrew
2:15 PM	[13] Exploring the Dark Universe: The DarkSide-20k Experiment	KELOTH, Rijeesh
2:45 PM	Break	
3:15 PM	[14] Red Supergiants to Supernovae: Exploring the Crucial Links Between Dust, Neutrinos, and Stellar Explosions	HEALY, Sarah
3:45 PM	[15] Heavy Neutral Lepton Decay	LI, Yulun
4:15 PM	[16] A Framework Between Quantum and Classical (An Illustration With Neutrinos)	BHATTA, Nabin