

15th Workshop on Critical Point and Onset of Deconfinement

Scientific Program

- *Critical Point
- *Phase Transitions
- *Deconfined Matter
- *Hadronization
- *Compact Stars
- *Experimental Facilities,
Detector and Methods
- *Next Generation Methods
in Data Analysis

**CPOD
2024**

Berkeley, CA, May 20-24

LOC: X. Dong, V. Koch*, G. Odyniec, N. Xu*
Conference Coordinator: L. Bonifacio

Timetable (*CPOD2024, May 20 – 24, 2024*)

	Monday 20/05	Tuesday 21/05	Wednesday 22/05	Thursday 23/05	Friday 24/05
9:00 – 9:30	Overview ALICE: A. R. Timmins (UH)	BES-II Net-p Fluctuations: A. Pandav (LBNL)	Fluctuations and correlations of baryonic chiral partners: K. Redlich (Wroclaw)	Spin and QCD Phase Structure: Y. Yin (IMP)	Di-leptons from High Baryon Region: F. Seck (TUD)
					Structure in speed of sound c_s : N.X. Yao (UIUC)
9:30 – 10:00	Overview HADES: A. Rustamov (GSI)	Volume Fluctuation: M. Nastro (Frankfurt U.)	Simulating stochastic diffusion: T. Schaefer (North Carolina)	Lattice and Magnetic Field: H.T. Ding (CCNU)	Effect of Initial State Fluctuation on Flow: A. Sorensen (INT)
10:00 – 10:30	Overview STAR: S. Radhakrishnan (KSU)	High Order Baryon Fluctuations: Z. Borsany (Wuppertal U.)	$d - \Lambda$ Correlations from 3 GeV Au+Au Collisions at RHIC: Y. Hu (LBNL)	Global Spin Alignment: S. Esumi (Tsukuba U.)	Hydrodynamic model v-USPhydro: C. Plumberg (Pepperdine U.)
10:30 – 11:00	<i>Coffee Break</i>				
11:00 – 11:30	Overview NA49/SHINE: S. Puławski (U. Silesia)	CP on the Lattice 20'' Christian Schmidt (Bielefeld U.) CP from Functional Methods 20'' Christian Fischer (Giessen U.)	Net-p k2/k1 at ALICE: M. Arslanodk (Yale U.)	Neutron star: S. Reddy (INT)	Large Isospin: Y. Fujimoto (INT)
					Multi-Fluid Dynamics: C. Werthmann (U. Wroclaw)
11:30 – 12:00	CBM and Future High μ_B Experiments T. Galatyuk (TUD)	CP from Ads/CFT 20'' Jorge Noronha (UIUC)	BS-Correlations at STAR: H.W. Feng (CCNU)	Directed flow of p and pbar: E. Duckworth (KSU)	Lee-Yang Edge Signature: G. Basar (UNC Chapel Hill)
12:00 – 12:30	Theory Overview: CP and 1 st -order Phase Boundary: M.S. Pradeep (U. Maryland)	Discussions: - CP from theory	Tracing Baryon in HIC: P. Tribedy (Brookhaven)	Chiral and Deconfinement Properties: L. Priellia (Wuppertal U.)	<i>Closing Remarks</i>
			Lattice Based T'-Expansion: M. Kahangirwe (U. Houston)	NICA Program : Y.P. Wang (CCNU)	
12:30 – 14:00	<i>Lunch Break</i>		<i>IAC meeting</i> <i>Conf. room: 91, 4-424</i>	<i>Lunch Break</i>	
14:00 – 14:30	Theory Overview Collectivity: L.P. Du (McGill U.)	Collectivity from p+p Collisions at the LHC: W. Li (Rice U.)		A Quantum van der Wasls Approach: R. Poberezhnyuk (U. Houston)	<i>Closing Remarks</i>
				Columbia Plot in EFT: S. Gupta (TIFR)	
14:30 – 15:00	Hyper-Nuclei: Y.H. Leung (Heidelberg U.)	Collectivity at High Baryon Density: L.K. Liu (CCNU)		CP within Molecular Dynamics: V. Kuznietsov (U. Houston)	
	Kaon HBT at High Baryon Density:	Isospin Violation in HIC: F.	Specific Entropy near CP: N. Sogabe (UIC)		

CPOD2024 (May 20 – 24, Monday – Friday, 2024) 【<https://conferences.lbl.gov/e/cpod2024>】

Scientific Program: Monday, Tuesday, Wednesday (am), Thursday, Friday

Registration Fee: \$400. ~~Late Registration: \$450~~

Income:

(1) BNL(\$4k) // EMMI (Euro 2.5k) // FF (Euro 5k) // **HFHF (Euro 2.5k)** // LBNL (\$15k) : ~\$29k

(2) Registration Fee: \$30430 Total income: ~\$60k

Spending:

(1) Cover 25 Students: (i) Reg. fee; (ii) Lodging

(2) Lunches; Reception; IAC/Conference dinner

(3) Mis.: Conference service at the Lab; bus service

Workshop:

Total number of participants: 95

Total number of talks: 51 // female speakers: 9

