Observable Algebras in Quantum Field Theory and Gravity (Online Workshop)

20-23 July, 2023

Lectures

Introduction to Algebraic Quantum Field Theory (4 lectures): Sachdindeo Vaidya (IISc, Bangalore), Kasia Rejzner (University of York)

Algebras in Gravity (2 lectures): Suvrat Raju (ICTS, Bangalore)

Derivation of Islands by using half-sided Modular Translations (2 lectures): Roji Pius (IMSc, Chennai)

AdS/CFT and Quantum Error Correction (2 lectures): Onkar Parrikar (TIFR, Mumbai)

Seminars

Confinement and Deconfinement in gauge theories — a Quantum Field theory: AP Balachandran (Syracuse U)

A Fresh Look at Large N limit of Matrix Models and Holography: Gautam Mandal (TIFR, Mumbai)

Organizers: Nirmalya Kajuri (IIT Mandi), Alok Laddha (CMI), Debajyoti Sarkar (IIT Indore)
Contact: conference.modular@gmail.com

PROGRAM SCHEDULE

TIME	THURS 07/20/23	FRI 07/21/23	SAT 07/22/23	SUN 07/23/23
10:00 AM		SACHIN VAIDYA Introduction to ALgebraic Quantum field theory-I	SACHIN VAIDYA Introduction to Algebraic Quantum field theory-II	
11:30 AM	SUVRAT RAJU Algebras in Gravity-I	SUVRAT RAJU Algebras in Gravity-II	ONKAR PARRIKAR Quantum Error Correction in AdS/CFT-I	ONKAR PARRIKAR Quantum Error Correction in AdS/CFT-II
1:00 PM				
2:30 PM	ROJI PIUS Derivation of islands by using half-sided modular translations-I	GAUTAM MANDAL A Fresh Look at the Large N Limit of Matrix Models and Holography	ROJI PIUS Derivation of islands by using half-sided modular translations-II	KASIA REJZNER Introduction to Algebraic Quantum Field Theory -IV
4:00 PM				
5:30 PM			KASIA REJZNER Introduction to Algebraic Quantum Field Theory- III	
7:00 PM	AP BALACHANDRAN Confinement and deconfinement in gauge theories -- a quantum field theory			

The timings are in Indian Standard Time (GMT +5:30)