Schedule for the US-INDIA Advanced Studies Institute on Thermalization: From Glasses to Black Holes

Monday Jun 10

8:45-9:00 Registration
9:00-9:30 Introductory remarks – Organizers
9:30-11:00 Fluctuations 1 – Abhishek Dhar
11:00-11:30 Break
11:30-1:00 Quantum quenches 1 – Amit Dutta
1:00-2:30 Lunch
2:30-4:00 Classical equilibration 1 – Henk van Beijeren
4:00-4:30 Break
4:30-6:00 Blackboard : Introduction of participants

Tuesday Jun 11

9:30-11:00 Quantum quenches 2 – Amit Dutta
11:00-11:30 Break
11:30-1:00 Fluctuations 2 – Abhishek Dhar
1:00-2:30 Lunch with experts – Dutta, van Beijeren, Dhar
2:30-4:00 Glass Transitions 1 – Jorge Kurchan
4:00-4:30 Break
4:30-6:00 Tutorial 1 – Equilibration Tutorial (Aparna)

Wednesday Jun 12

9:30 -11:00 Fluctuations 3 – Abhishek Dhar
11:00-11:30 Break
11:30-1:00: Glass transitions 2 – Jorge Kurchan
1:00-2:30 Lunch
2:30-4:00 Quantum quenches 3 – Amit Dutta
4:00-4:30 Break
4:30-6:00 Group discussion 1 – Fluctuation Dissipation (Green – Kubo) Tutorial (Chandan or Bulbul)

Thursday Jun 13

9:30-11:00 Stochastic thermodynamics 1 – Udo Seifert
11:00-11:30 Break
11:30-1:00 Non-Abelian plasma thermalization 1 – Laurence Yaffe
1:00-2:30 Lunch with experts – Seifert, Kurchan, Yaffe
2:30-4:00 Glass transitions 3 – Jorge Kurchan

Friday Jun 14

9:30-11:00 Non-Abelian plasma thermalization 2 – Laurence Yaffe
11:00-11:30 Break
11:30 -1:00 1D Hydrodynamics- Henk van Beijeren
1:00-2:30 Lunch
2:30-4:00 Stochastic thermodynamics 2 – Udo Seifert
4:00-4:30 Break
4:30-6:00 Tutorial 2 –Holography Tutorial (Mandal + Matt)

Saturday Jun 15

9:30-11:00 KPZ equation – Henk van Beijeren
11:00-11:30 Break
11:30 -1:00 Stochastic thermodynamics 3 – Udo Seifert
1:00-2:30 Lunch
2:30-4:00 Non-Abelian plasma thermalization 3 – Laurence Yaffe

Monday Jun 17

11:30-1:00 Quantum quenches 1 – Alessandro Silva
1:00-2:30 Lunch
2:30-4:00 Coarsening and thermal quenches 1 – Leticia Cugliandolo
4:00-4:30 Break
4:30-6:00 Quantum ergodicity 1 – Anatoli Polkovnikov

Tuesday Jun 18

9:30-11:00 Coarsening and thermal quenches 2 – Leticia Cugliandolo
11:00-11:30 Break
11:30-1:00 Quantum quenches 2 – Alessandro Silva
1:00-2:30 Lunch with experts – Silva, Cugliandolo and Polkovnikov
2:30-4:00 Quantum ergodicity 2 – Anatoli Polkovnikov
4:00-4:30 Break
4:30-6:00 Falling out of Equilibrium Tutorial (Bulbul or Chandan)

Wednesday Jun 19

9:30-11:00 Quantum information and black holes 1 – Patrick Hayden
11:00-11:30 Break

11:30-1:00 Holography and Quantum Quenches 1 – Sumit Das
1:00-2:30 Lunch
2:30-4:00 Quantum ergodicity 3 – Anatoli Polkovnikov
4:00-4:30 Break
4:30-6:00 Tutorial 3 – Quantum quenches Tutorial (Krishnendu)

Thursday Jun 20

9:30-11:00 Coarsening and thermal quenches 3 – Leticia Cugliandolo
11:00-11:30 Break
11:30-1:00 Holography and Quantum Quenches 2 – Sumit Das
1:00-2:30 Lunch with experts – Hayden, Das
2:30-4:00 Quantum information and black holes 2 – Patrick Hayden
4:00-4:30 Break
4:30 -6:00 Group discussion 3 – Quantum Information Tutorial (Albion)

Friday Jun 21

9:30-11:00 Quantum quenches 3 – Alessandro Silva
11:00-11:30 Break
11:30-1:00 Quantum information and black holes 3 – Patrick Hayden
1:00-2:30 Lunch
2:30-4:00 Holography and Quantum Quenches 3 – Sumit Das
4:00-5:00 Concluding remarks and evaluation – Organizers