

INT 11-2C

SUMMER SCHOOL ON APPLICATIONS OF STRING THEORY

ALL TALKS IN A-114, PHYSICS/ASTRONOMY AUDITORIUM

WEEK ONE

Monday, July 18	Tuesday, July 19	Wednesday, July 20	Thursday, July 21	Friday, July 22
9:00-10:00 Registration in INT C411 Physics/ Astronomy Tower	9:15-10:30 John McGreevy, MIT "AdS/CFT Basics"	9:15-10:30 Krishna Rajagopal, MIT "Quark-Gluon Plasma in QCD, at the LHC and RHIC, and in String Theory"	9:15-10:30 Derek Teaney, Stony Brook "Transport & thermodynamics in QCD"	9:15-10:30 Derek Teaney, Stony Brook "Transport & thermodynamics in QCD"
10:00-11:15 Krishna Rajagopal, MIT "Quark-Gluon Plasma in QCD, at the LHC and RHIC, and in String Theory"	10:30-11:00 Break	10:30-11:00 Break	10:30-11:00 Break	10:30-11:00 Break
	11:00-12:15 Krishna Rajagopal, MIT "Quark-Gluon Plasma in QCD, at the LHC and RHIC, and in String Theory"	11:00-12:15 Subir Sachdev, Harvard "Quantum matter and gauge-gravity duality"	11:00-12:15 John McGreevy, MIT "AdS/CFT Basics"	11:00-12:15 Pavel Kovtun, Victoria "Hydrodynamic fluctuations and holography"
Lunch	Lunch	Lunch	Lunch	Lunch
1:45-3:00 John McGreevy, MIT "AdS/CFT Basics"	1:45-3:00 Subir Sachdev, Harvard "Quantum matter and gauge-gravity duality"	1:45-3:00 Derek Teaney, Stony Brook "Transport & thermodynamics in QCD"	1:45-3:00 Pavel Kovtun, Victoria "Hydrodynamic fluctuations and holography"	1:45-3:00 Tom Faulkner, Santa Barbara "Non-Fermi Liquids and Quantum Phase Transitions from Holography"
3:00-3:30 Break	3:00-3:30 Break	3:00-3:30 Break	3:00-3:30 Break	3:00-3:30 Break
3:30-4:45 Subir Sachdev, Harvard "Quantum matter and gauge-gravity duality"	3:30-5:00 Discussion	3:30-5:00 Student Talks	3:30-5:00 Discussion	3:30-5:00 Student Talks

WEEK TWO

Monday, July 25	Tuesday, July 26	Wednesday, July 27	Thursday, July 28	Friday, July 29
9:15-10:30 Pavel Kovtun, Victoria "Hydrodynamic fluctuations and holography"	9:15-10:30 Sean Hartnoll, Stanford "Low Temperature Phases of Holographic Matter"	9:15-10:30 Peter Arnold, Virginia "Jets in Heavy Ion Physics (both sides of the story)"	9:15-10:30 Sean Hartnoll, Stanford "Low Temperature Phases of Holographic Matter"	9:15-10:30 Shigeki Sugimoto IPMU Tokyo "Holographic Mesons and Baryons"
10:30-11:00 Break	10:30-11:00 Break	10:30-11:00 Break	10:30-11:00 Break	10:30-11:00 Break
11:00-12:15 Tom Faulkner, Santa Barbara "Non-Fermi Liquids and Quantum Phase Transitions from Holography"	11:00-12:15 Shivaji Sondhi, Princeton "Topological Phases of Condensed Matter Systems"	11:00-12:15 Sean Hartnoll, Stanford "Low Temperature Phases of Holographic Matter"	11:00-12:15 Shigeki Sugimoto, IPMU Tokyo "Holographic Mesons and Baryons"	11:00-12:15 Shivaji Sondhi, Princeton "Topological Phases of Condensed Matter Systems"
Lunch	Lunch	Lunch	Lunch	Lunch
1:45-3:00 Peter Arnold, Virginia "Jets in Heavy Ion Physics (both sides of the story)"	1:45-3:00 Tom Faulkner, Santa Barbara "Non-Fermi Liquids and Quantum Phase Transitions from Holography"	1:45-3:00 Shigeki Sugimoto, IPMU Tokyo "Holographic Mesons and Baryons"	1:45-3:00 Shivaji Sondhi, Princeton "Topological Phases of Condensed Matter Systems"	1:45-3:00 Peter Arnold, Virginia "Jets in Heavy Ion Physics (both sides of the story)"
3:00-3:30 Break	3:00-3:30 Break	3:00-3:30 Break	3:00-3:30 Break	3:00-3:30 Break
3:30-5:00 Student Talks	3:30-5:00 Discussion	3:30-5:00 Student Talks	3:30-5:00 Discussion	