LENS/CMP Seminars – 2018

In the Spring Semester 2018 all seminars were held on **Fridays at 2:30 pm** in **Swain West 214**, unless otherwise noted. In the Fall Semester 2018 all seminars were held on **Wednesdays at 3:30 pm in Swain West 214**, unless otherwise noted.

Date	Speaker	Title	Host
January 8	SPRING SEMESTER COMMENCES		
February 2	Abu Ashik Md Irfan,	Candidacy	Gerardo Ortiz
3:00 pm	IU Physics	seminar tba	Gerardo Ortiz
February 23	Chandan Setty, University of Illinois	"Quasiparticle interference and	Gerardo Ortiz
		resonant states in normal and superconducting flat bands"	
March 10-18	SPRING BREAK		
March 23	Chen-Lung Hung,	"Quantum matter built from atom-	Phil Richerme
	Purdue University	nanophotonic lattices"	
March 30	Dusan Sarenac,	"Characterizing materials via	Mike Snow
	University of Waterloo	structured neutron beams"	
April 6	DLTF DLTF .	IIA I Bi	Gerardo Ortiz and Martin
	Philip Phillips,	"Anomalous Dimensions for Conserved Currents and Extra	
	University of Illinois	Dimensions in the Strange Metal?"	
	at Urbana-Champaign	Differsions in the strange Metal:	Rodriguez-Vega
April 13	Yan Li,	"Exciton Spin Coherence in Hybrid	Shixiong Zhang
	University of Utah	Organic-Inorganic Perovskites"	
April 20	Srini Iyengar, IU Chemistry	"Reduced scaling electronic	Herb Fertig
		structure and dynamics using	
		lessons from set-theory and	
		geometry networks: post-Hartree-	
		Fock accuracy at DFT cost"	
April 30- May 4	FINALS WEEK		
August 20	FALL SEMESTER COMMENCES		
August 29	Babak Seradjeh,	"Floquet Topology: Fast, Slow and	
	IU Physics	Across"	
September 5	Taylor Hughes,	"Higher Order Topological Phases:	Babak Seradjeh
	University of Illinois at	Quadrupoles, Meta-materials, and	
	Urbana-Champaign	Beyond"	
September 12	Michael Manfra, Purdue University	"Towards Topological Qubits in	Gerardo Ortiz
		Superconductor/Semiconductor	
September 19	·	Hybrid System"	Shixiong Zhang
	Yi Gu,	"Phase-Defined Van der Waals	
September 26	Washington State University	Metal-Semiconductor Junction"	Paul Sokol
	Adrian Del Maestro,	"Entanglement area law in superfluid 4He"	
	University of Vermont	Superfluid 4ne	

October 3	Marissa D'Onofrio, IU Physics	Candidacy Seminar - "A Trapped Ion Quantum Simulator for Two-Dimensional Spin Systems"	Phil Richerme
October 4-7	FALL BREAK		
October 10	Erik Henriksen, Washington University in St. Louis	"Two topics in graphene: infrared spectroscopy and charge-doping a Mott insulator"	Herb Fertig
October 17	Jinlyu Cao, IU Physics	"RKKY Interactions in Graphene Landau Levels"	Herb Fertig
October 24	Jeff Ou, IUPUI	"Beating Quantum Mechanics with Quantum Mechanics"	Phil Richerme
October 31	Thomas H. Heaton, Caltech	"Implications of Strong-Rate- Weakening Friction for the Length- Scale Dependence of the Strength of the Crust; Why Earthquakes are so Gentle"	Dave Baxter
November 7	Abhishek Kumar, IU Physics	Candidacy Seminar - "Floquet optical conductivity and higher order Floquet topological insulators"	Babak Seradjeh
November 14	Emilio Cobanera, SUNY Polytechnic Institute	"Quantum Brownian Motion in a Landau Level"	Gerardo Ortiz
November 17-25	THANKSGIVING BREAK		
November 28	Yuanheng Xie, IU Physics	Candidacy Seminar: "Building a 2D quantum simulator with trapped ions"	Phil Richerme
December 5	Vladimir Hutanu, University of Aachen and Jülich Centre for Neutron Science	"New single crystal diffractometer with polarized neutrons POLI at MLZ as a versatile tool for the detailed investigation of magnetic structures"	Mike Snow
December 10-14	FINALS WEEK		