Visitors:

Postdoctoral positions in Theoretical Condensed Matter Physics

As some of you know, The Graduate Center of the City University of New York has launched an Initiative for the Theoretical Sciences. For many years this Initiative has played host to seminars, workshops, and visitors. This Fall we welcomed our first permanent faculty member, David Schwab, and we are searching for more. In this first stage we are focused on recruiting faculty working at the interface of physics and biology. There is a commitment to continue recruiting in subsequent years, with the goal of having several small clusters of faculty with in multiple fields - close enough to enjoy interacting, but different enough to cover a broad range of topics.

I think that the GC provides a very special environment, and a congenial home for lively and informal interactions. Faculty joining the effort certainly need to have some sense of adventure, since they will be helping to build rather than joining something well established, but the support from the senior administration is very strong. In addition, faculty working on problems at the interface of physics and biology will have the opportunity to interact with our new Center for the Physics of Biological Function, a joint effort of the GC and Princeton, recently funded by the National Science Foundation.*

We have a soft deadline of Dec 1, at which point we start reading applications, so it is useful if there is at least something on record by then to be sure that candidates are given full consideration. Please help in bringing this opportunity to the attention of interesting candidates. If there are people whom you think I should specifically encourage, please feel free to send me a note. Finally, let me draw your attention to the fact that this search is “open rank,” and thus could result in the appointment of senior as well as junior faculty.

The official application site is here (apologies for the length of the link):

https://home.cunyfirst.cuny.edu/psp/cnyepprd/GUEST/HRMS/c/HRS_HRAM.HRS_CE.GBL?page=HRS_CE_JOB_DTL&Action=A&JobOpeningId=17489&SiteId=1&PostingSeq=100
Thursday, November 9, Physics Careers Seminar: “Physics Opportunities at Los Alamos National Lab” Dr. James Hill; 11:00 am in 204 Loomis

Thursday, November 9, Special ICMT Seminar: “Fermionic spinion theory of square lattice spin liquids near the Neel state” Alex Thomson; 11:00 am in 3110 ESB

Thursday, November 9, Mathematical and Theoretical Physics Seminar: “Interface Contributions to Topological Entanglement in Abelian Chern-Simons Theory” Jackson Fliss; 12:30 pm in 222 Loomis

Friday, November 10, High Energy Phenomenology Seminar: “Automated Calculations of One Loop Integrals with Package-X and Collier Link” Hiren Patel; 12:00 pm in 222 Loomis

Friday, November 10, Condensed Matter Seminar: “Singular Density Fluctuations in the Strange Metal Phase of Copper-Oxide Superconductor” Matteo Mitrano; 1:00 pm in 190 ESB

Visitors:

Job Opportunity

Associate Professor in Theory of Quantum Condensed Matter

The Florida State University (FSU) Physics Department invites applications for tenure track Assistant Professor position in theoretical condensed matter physics, with starting date at the beginning of the Fall semester of 2018. We are seeking candidates who can strengthen and complement the existing capabilities of the theory group in research and teaching. The successful candidate is expected to lead an independent program within the broad areas of equilibrium and/or nonequilibrium phenomena in hard or soft condensed matter, reflecting recent advances in theoretical and computational techniques. We expect the candidate to strengthen ties to other programs in the department, including the diverse experimental programs in condensed matter and materials science at FSU.

The condensed matter theory group at FSU already benefits from fruitful synergy with various experimental programs, both within the Department of Physics and at FSU’s National High Magnetic Field Laboratory (MagLab). The in-house research activities and the MagLab user programs cover essentially all areas of condensed matter physics. The synergy extends to various groups at other academic departments, including solid state chemistry, chemical and mech engineering, and molecular biophysics.

Applicants should provide a cover letter, a curriculum vitae with a list of publications, a research plan, a teaching statement, and arrange for at least three letters of recommendation to be sent (all in PDF format) to: cmtsearch@cmt.physics.fsu.edu. Review of applications will begin on November 27, 2017 and will continue until the position is filled. The Florida State University is an Equal Opportunity/Affirmative Action Employer and it especially encourages applications from women and members of minority groups.
Thursday, November 9, Physics Careers Seminar: “Physics Opportunities at Los Alamos National Lab” Dr. James Hill; 11:00 am in 204 Loomis

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Visitors:

Title: “Physics Opportunities at Los Alamos National Lab”

Speaker: Dr. James Hill, Los Alamos

Date: Thursday, November 9  Time/Location: 11:00 am / 204 Loomis

Abstract: See here https://physics.illinois.edu/calendar/event/11/9/2017/33272871
ICMT Special Seminar

Title: “Fermionic spinon theory of square lattice spin liquids near the Neel State”

Speaker: Alex Thomson (KITP)

Date: Thursday, November 9

Time/Location: 12:30 pm / 222 Loomis

Abstract: See here [https://physics.illinois.edu/calendar/event/11/9/2017/33287448](https://physics.illinois.edu/calendar/event/11/9/2017/33287448)
Mathematical and Theoretical Physics Seminar

Title: “Interface Contributions to Topological Entanglement in Abelian Chern-Simons Theory”

Speaker: Jackson Fliss (University of Illinois at Urbana-Champaign)

Date: Wednesday, November 9

Time/Location: 12:30 pm / 222 Loomis

Abstract: See here https://physics.illinois.edu/calendar/event/11/9/2017/33285329
Thursday, November 9, Physics Careers Seminar: “Physics Opportunities at Los Alamos National Lab” Dr. James Hill; 11:00 am in 204 Loomis

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Special ME/HE Seminar

Title: “Searches for Supersymmetry at CMS”

Speaker: Lesya Shchutska (TBA)

Date: Thursday, November 9

Time/Location: 2:00pm / 464 Loomis

Abstract: Having collected around 36/fb, the LHC experiments seemingly exhausted final hopes for a rapid new physics discovery at the energy frontier. The most dramatic jumps happened in the reach of the sensitivity of the electroweakly produced supersymmetry. The talk will review the current status of these searches, and the directions which are pursued with accessing high volumes of data.
High Energy Phenomenology Seminar

Title: “Automated Calculation of One Loop Integrals with Package-X and Collier Link”

Speaker: Hiren Patel (UMASS Amherst)

Date: Friday, November 10

Time/Location: 12:00 pm / 222 Loomis

Abstract: Package-X is a general purpose Mathematica package for analytically computing and symbolically manipulating dimensionally regulated one-loop Feynman integrals. CollierLink is an expansion pack for Package-X which provides an interface to the newly released COLLIER library (by Denner, Dittamaier, and Hofer). In this talk, I will review the salient features, and summarize the algorithms driving these programs.
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Title: “Singular Density Fluctuations in the Strange Metal Phase of a Copper-Oxide Superconductor”

Speaker: Matteo Mitrano (University of Illinois at Urbana-Champaign)

Date: Friday, November 10

Time/Location: 1:00 pm / 190 ESB

Abstract: See Here
https://physics.illinois.edu/calendar/event/11/10/2017/33276944

Visitors: