Last minute addition: New Victor Blanco Fellowship added by NSHP-University of Notre Dame

The University of Notre Dame Physics REU program will start offering a Victor Blanco Fellowship beginning this summer. Details of our program, and instructions for application, are available at: [http://physics.nd.edu/research/reu/](http://physics.nd.edu/research/reu/). Interested students should mention in their "statement of interest" that they are applying for the Victor Blanco Fellowship. The deadline for applications is February 17, 2017.

Enrico Ramírez Ruiz receives the 2017 APS Bouchet Award

Citation: "For important contributions to the dynamics of plasma in extreme astrophysical environments, and advocating for more Hispanic students to enter astrophysics."

Enrico Ramírez-Ruiz is a professor and chair of astronomy and astrophysics at UC Santa Cruz, and Niels Bohr Professor at the Niels Bohr Institute. He received his Ph.D. from Cambridge in 2003, was Bahcall Fellow at the Institute for Advanced Study in Princeton. Dr. Ramírez-Ruiz has received the Packard Fellowship, NSF's CAREER Award, Kavli Fellowship, Harvard’s Radcliffe Fellowship and at 35 became the youngest elected member of the Mexican Academy of Sciences. A theoretical astrophysicist, Dr. Ramírez-Ruiz is developing the conceptual framework needed to understand the violent nature of the universe. He uses computer simulations to explore transient phenomena such as mergers and disruptions of stars, especially those involving compact objects. Dr. Ramírez-Ruiz has authored or co-authored around 180 research papers. He has broadcast and written widely on science, and is a highly decorated teacher and research adviser. As the director of the Lamat Summer Research Program on High-Performance Computing in Astrophysics, Dr. Ramírez-Ruiz works vigorously to support the promotion and retention of underrepresented minorities in STEM.

Samuel B. Trickey inducted to the Mexican Academy of Sciences

NSHP Life member Samuel B. Trickey has become Corresponding member of the *Academia Mexicana de Ciencias*. Sam is Emeritus Professor of Physics and Chemistry at the University of Florida; he was Director of the Quantum Theory Project from 1999 to 2004. His research area has focused on Density Functional Theory and algorithm development.

Our warmest congratulations to Sam!

APS - IBM Research Internships for undergraduate women and underrepresented minority students

APS and IBM co-sponsor research internships for undergraduate women and underrepresented minority students. We recommend that you encourage your NMC mentee(s) to apply for these internships, which will afford them the opportunity to work closely with an IBM mentor on summer research projects at one of three world-class IBM research laboratories across the country. Should your mentees apply, they will need two faculty letters of recommendation. Please consider discussing with them which additional faculty member would be best to approach for a recommendation. Applications and letters of recommendation are due by February 15. Learn More
New diversity program for M.S. in Geosciences Instrumentation at Stony Brook University

The geosciences have the lowest diversity of all the science, technology, engineering and mathematics [STEM] disciplines. To address this poor record, the NSF Directorate for Geosciences established a new program in 2010 entitled “Opportunities for Enhancing Diversity in the Geosciences [OEDG].” In 2011, we created a new initiative at Stony Brook University: “A Career Path for African-American Students from Historically Black Colleges and Universities [HBCUs] to National Laboratories.”

Our proposal to the Education, Outreach and Infrastructure Development Program of COMPRES was for $180,088 for a two-year period from June 2017 to May 2019 to extend and expand our diversity initiative for another two years. Specifically, we propose to expand our program to include African-American, Hispanic, Native American students from minority-serving institutions [MSIs], as well as students who are from socio-economically disadvantaged backgrounds. These funds will provide stipends and tuition support for two students to pursue a M. S. in Geosciences Instrumentation. We have requested matching funds from Brookhaven National Laboratory BNL [$50K per year for two years--pending] and the Graduate School at Stony Brook University [$10,870 per year for two years--approved]; these matching funds will enable us to educate an additional graduate student over this two-year period.

We have just been informed by COMPRES that our proposal has been approved for funding at the requested level of $180,088 for two years commencing June 2017. Thus we are now able to entertain application for this M. S. program from students desiring to enroll at Stony Brook in September 2017. We would be very grateful to you if you could help us identify interested students and encourage them to apply. Applications for graduate study can be obtained from Ms. Crystal Garcia [Graduate Program Coordinator' crystal.garcia@stonybrook.edu] or Professor Timothy Glotch [Director of Graduate Studies; timothy.glotch@stonybrook.edu] in the Department of Geosciences at Stony Brook.

With our thanks for your help and encouragement in this extended and expanded diversity program in mineral physics.
Contact: Bob Liebermann, Department of Geosciences and Mineral Physics Institute, Stony Brook University, [631]-632-1968, Robert.Liebermann@stonybrook.edu

Erasmus Mundus Joint Master Degree in Nuclear Physics (EMJMDNP) at the University of Seville

The EMJMDNP project has been selected for the Education, Audiovisual and Culture Executive Agency (EACEA) for European Union co-funding. We are glad to announce the call for application for the Erasmus Mundus Joint Master Degree in Nuclear Physics (EMJMDNP), 2017/2019. The two-years English-taught master course is delivered by the University of Seville (coordinator), University Autónoma de Madrid, University of Barcelona, University Complutense de Madrid, University of Salamanca, University of Caen-Basse Normandie, University of Catania and University of Padova, supported by a NuPhys Consortium of 18 Public and Private Institutions from worldwide. The course is supported by EACEA Agency of European Union with full scholarships (including travel costs and health insurance) for EU and mostly for non-EU students. The deadline for students application is February 28th, 2017. We would like to kindly ask you if you could disseminate the call for application among students or networks that might be interested.

For more information about program layout, NuPhys Consortium and opportunities to be part of it, application procedure, student services, financial info and scholars application, please see: http://master.us.es/nuphysjmd/. More information: nucphys@us.es.

Postdoctoral position at GSI

The SHE-Physics department at GSI is presently seeking candidates for a Postdoctoral researcher position in the field of physics of superheavy elements. The full job advertisement (No. 1210-17.05) can be found in: https://www.gsi.de/en/jobscareer/job_offers/job_offers.htm?no_cache=1&vacancy%5Buid%5D=572.
Contact: GSI Helmholtzzentrum für Schwerionenforschung GmbH, ABTEILUNG PERSONAL PLANCKSTRASSE 1, 64291 DARMSTADT, or by E-Mail to: bewerbung@gsi.de.
NYU MRSEC 2017 summer research opportunity

NYU Materials Research Science and Engineering Center (NYU-MRSEC) is offering a 10 week REU program from May 28th to August 5th 2017. We kindly ask that you share the attached flyer with your department and encourage rising sophomores and juniors to apply. To learn more about NYU MRSEC please visit http://mrsec.as.nyu.edu and for the REU program please visit http://mrsec.as.nyu.edu/reu-application.

Program Components:
Research Experiences for Undergraduates (REU) fellowships are awarded to and Engineering Center undergraduates from four-year colleges and universities for participation in a ten-week summer program designed to provide unique research experiences, professional development, and increased awareness of materials science and engineering. Discover and unravel the fundamental organizing principles of matter that impact the fabrication of complex materials - from the molecular to the colloidal to the macroscopic scale!

Benefits for REU participants: Housing- Palladium Hall, Research Stipend -- $5,000, Travel – up to $300.

Eligibility: US Citizen or Permanent Resident

* Program dates: May 28th to August 5th.

Getting You into Indiana University

Getting You into Indiana University (GU2IU) is a campus recruitment program for prospective underrepresented and minority students interested in pursuing a Ph.D. or M.F.A. at Indiana University (IUB) Bloomington. The three-day event will be conducted on the IUB campus and begins Sunday, April 2, 2017 and ends on Tuesday, April 4, 2017. This is an all-expense paid trip for selected highly qualified applicants including air fare, lodging, and meals. Participants will learn more about IU’s Ph.D. and M.F.A. programs, research opportunities and funding options. Additionally, participants will meet with faculty, staff and current graduate students, attend sessions on preparing competitive applications for graduate admission, explore campus cultural centers, and take a campus tour.

Our goal is to recruit the best and brightest to IU programs. Our target is 25-30 students to attend our recruitment event for spring 2017. GU2IU program participants must:

- Be U.S. citizens or permanent residents.
- Be sophomores, juniors, seniors, master’s level students in good academic standing; or, degreed professionals interested in pursuing a Ph.D or MFA at Indiana University Bloomington.
- Complete a GU2IU spring 2017 application form requesting demographic information, educational interests, non-official transcripts and a personal essay.

The application deadline is February 17, 2017. Preference will be for faculty nominated participants in STIM (sciences, technology, informatics and mathematics) disciplines and the social sciences. To submit a nomination:

- Applicants, click HERE to apply
- Faculty, click HERE.

For additional information, visit http://graduate.indiana.edu/about/diversity/visit-iu.shtml. Please direct any questions to agep@indiana.edu or (812) 855-6752.

Instructor of Physics - NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

MINIMUM REQUIREMENTS: Master’s degree in Science or Science Education, with demonstrated emphasis in Physics. Specific Duties: Teach 3 sections of introductory and/or elective physics courses each trimester, with special emphasis on lab-based activities. Submit electronic application via: http://www.nc.gov/jobs. Please create an account, search for Instructor of Physics vacancy, and complete/submit online application. Please include a cover letter that addresses your interests in teaching physics to gifted high school students, and statement of teaching philosophy.
University of Notre Dame's Research Experiences for Undergraduates (REU) Program, which celebrated 30 years in 2016, provides opportunities for undergraduate physics majors to experience hands-on participation in research in many areas of physics. Students are granted stipends, university housing, and assistance with travel and food expenses. Basically, this means that if you are a rising junior or senior, you can come to Notre Dame and work with a professor for ten weeks. You will either help this professor with his or her work, or work on an experiment of your own. The REU program gives you valuable research experience, to help you decide if physics research is right for you. Students who are in those groups traditionally underrepresented in sciences (women, members of underrepresented minorities, and those with disabilities) are particularly urged to apply. Students will work closely with faculty and graduate students on a variety of current research projects. The summer program not only provides each student direct experience with a specific project but also provides important exposure to all areas of physics research.

The program is available only to physics majors who are U.S. citizens or permanent residents. International students are only considered if financial support has been arranged through your university or another organization. Please feel free to contact us if you have any questions.

2017 Program Details

- 10 week appointment for the summer—May 23 (arrival) to July 29 (departure)
- Round trip travel allowance to the University of Notre Dame
- $5,100 stipend plus free on-campus housing
- Description of Research Projects Available for REU 2017

Contact: [http://physics.nd.edu/research/reu/](http://physics.nd.edu/research/reu/)

2017 REU Application Deadline and Instructions

2017 Application Deadline: February 17, 2017

[Click here to read the instructions before applying](http://physics.nd.edu/research/reu/). The link to the 2017 Program Application is at the bottom of these instructions. Please follow the instructions carefully to ensure your application will be received.

The Physics REU sites directors will utilize a common deadline of March 3, 2017, for students to accept or decline first round offers at domestic (non-international) sites. Sites may send offers to students at any time before this, but students will not be required to decide before March 3. Because of necessary organizational lead time, international REU sites may require earlier acceptance dates.

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**Accelerator Scientists - (Research Associate) - Cornell Laboratory for Accelerator Sciences and Education**

CLASSE is a world leader in accelerator science. It pursues research projects in accelerator science, including (1) design, construction, and commissioning of a multi-turn energy recovery linac (ERL) with FFAG optics, (2) upgrade of the 5 GeV CESR storage ring for single beam operation with undulators as a source of hard x-rays, (3) high brightness electron sources, (4) development of instrumentation and beam physics experiments with the CESR Test Accelerator (CESR-TA), and (5) SRF accelerating structures.

The successful candidate will focus on CBETA, the ERL currently being constructed at CLASSE by developing beam optics, accelerator equipment or beam instrumentation, and by participating in commissioning and operations, but may also contribute to one or more other activities. The initial appointment is for three years with the possibility of extension. Applications should be submitted at [http://academicjobsonline.org](http://academicjobsonline.org) (posting #8866) and should include a cover letter, a CV, a list of publications, a detailed summary of research experience and interests. Applicants must arrange to have at least three letters of recommendation uploaded, as per instructions on the academicjobsonline website.
Michigan State University will be hosting the 2nd Nuclear Science Summer School (NS³). NS³ is a summer school for undergraduate students that aims to introduce the participants to the field of nuclear science. NS³ will offer lectures and hands-on activities covering selected nuclear science topics and providing an overview of the field. The school activities will take place at the National Superconducting Cyclotron Laboratory (NSCL) and will include lectures by local and visiting researchers, nuclear physics labs, a tour of the facility, discussions with graduate students and faculty, and social events.

Who can apply
NS³ invites applications from Physics Majors in US institutions. Prerequisites are Calculus, Introductory Physics I (Mechanics and Waves), Introductory Physics II (Electricity, Magnetism, Optics) and preferably Modern Physics. Students should be at their second or third year of study at the time of application. Preference will be given to students who have limited opportunity at their home institution to attend a Nuclear Physics Class or Nuclear Physics Lab class. Applications from women and students from underrepresented minorities are strongly encouraged.

Cost
Participation in NS³ is funded by the National Science Foundation and NSCL. Local expenses (accommodation and meals) will be provided. In addition, participants will receive up to $500 (actual cost) towards their travel to and from MSU.

Application Deadline: February 17, 2017
Contact: http://nscl.msu.edu/researchers/NS3.html, ns3@nscl.msu.edu.

The Thurgood Marshall College Fund has partnered with the US Army Research Laboratories to identify STEM faculty to participate in a 10-week summer research fellowship. The research “campaigns” at the ARL are focused on the following topics: Computational Sciences, Materials Research, Sciences for Maneuver, Information Sciences, Sciences-for-Lethality and Protection, Human Sciences, and Assessment and Analysis. A detailed description of topics can be found on the ARL Open Campus site: https://www.arl.army.mil/opencampusopenhouse/topics.php

ARL Research Directors will make selections based on your research proposals. Please select the research campaign that is aligned to your interests and background. The deadline is March 1, 2017. If you have any questions, please email Cynthia Warrick at cynthia.warrick@tmcf.org. Download Flyer

The SLAC ATLAS group is looking for Research Associate, aka post-docs. We would appreciate if you could alert your readers about this possibility. Please see https://academicjobsonline.org/ajo/jobs/7664 for details. The positions are open until filled, and we will be reviewing applications periodically.

Contact: Charles C. Young, M.S. 43, SLAC National Accelerator Laboratory, P.O. Box 20450, Stanford, CA 94309, young@slac.stanford.edu, (650) 926 2669.
Compact Object Mergers
Primordial Black Holes
Gravitational Waves
Orbital Dynamics
Galactic Mergers

Program Activities
• American Sign Language “bootcamp”
• Scientific Programming
• Introduction to supercomputers
• Lectures by prominent visiting speakers
• Research presentation training

Program Benefits:
• $5,000 stipend
• Apartment-style housing
• Meal Plan
• Present at the Undergrad Research Symposium

For more information, see astroreu.rit.edu
or contact Dr. Joshua Faber (astroreu@rit.edu)

Participants must be U.S. Citizens or Permanent Residents and must be undergraduates in Fall 2017.
We especially encourage women, members of underrepresented minorities, and deaf or hard-of-hearing students to apply.
Applications are now being accepted PENDING NSF FUNDING.

Apply Online; Deadline: March 3, 2017

https://www.rit.edu/science/astroreu/apply

The Hispanic Physicist. Published whenever there is news and the Editor has enough time. Send news, letters, congratulations, etc. to Jorge A. López, jorgelopez@utep.edu. http://www.hispanicphysicists.org/.