



Message to members of the APS Division of Gravitational Physics
Approved by Geoffrey Lovelace, DGRAV Secretary/Treasurer

The [eXtreme Gravity Institute](#) at the Department of Physics of Montana State University invites applications for a 3-year postdoctoral position (starting in 2018) with a focus on extreme gravity.

The eXtreme Gravity Institute is composed of faculty members Nicolas Yunes, Anne Lohfink, Amy Reines, David Nidever, Neil Cornish, Bennett Link and Sachiko Tsuruta, and postdoctoral fellow Hector Okada-da Silva. The Institute mentors a large number of graduate and undergraduate students (approximately 30), hosts international workshops and summer schools on topics related to extreme gravity. The institute is also deeply involved in public outreach, formal and informal education.

The successful applicant will work closely with faculty member Nico Yunes on theoretical physics topics related to extreme gravity, such as neutron stars, black holes, compact binary systems, gravitational waves, and experimental tests of General Relativity. These topics can range from theoretical work (e.g. neutron star solutions, null ray tracing in neutron star backgrounds, gravitational waves from inspiraling compact binaries) to a combination of theory and data-analysis (e.g. Bayesian model selection and parameter estimation), associated with a set of extreme gravity instruments, such as the LISA gravitational-wave detector or the NICER X-ray telescope.

The successful candidate will possess a set of wide-ranging interests in extreme gravity and expertise in theoretical and computational work. In particular, the applicant must demonstrate research experience/creativity, breadth and depth of knowledge in extreme gravity, high productivity and high quality publications, and mastery of written and oral communication. A Ph.D. in physics, astronomy, or a related discipline is required by the start of employment.

Interested candidates will [submit an application](#), which must include a resume/CV, a list of publications, a list of presentations, a research statement (3-page limit, 1-inch margins, 12 pt font), and contact information for three references. After submission of an application, our system will contact all references to request (confidential) letters of recommendation. The deadline for submission of an application is December 1, 2017. For more information, please refer to the job link or email Prof. Nico Yunes (nyunes@physics.montana.edu).

Also, visit [APS's Online Career Center](#) with many career related resources and over 500 positions available to students, postdocs, and career physicists.



APS Headquarters: 1 Physics Ellipse, College Park, MD 20740
Editorial Office: 1 Research Road, Ridge, NY 11961
Office of Public Affairs: 529 14th St NW, Ste 1050, Washington, D.C. 20045

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