POSTDOCTORAL RESEARCHER POSITION  
Astroparticle Physics - XENON Group – Francesco Arneodo  
NYU Abu Dhabi  

Applications are invited for a postdoctoral position within the XENON1T Dark Matter group with Professor Francesco Arneodo at New York University, Abu Dhabi (NYUAD). The appointment will be for two years, with potential for a one-year renewal, starting in Fall 2015 (there may be some flexibility on the start date if necessary). Competitive salary and generous benefits, including relocation, fully paid housing, and tuition for children, are offered in addition to the salary.

The successful candidate will be involved in the Computing and Data Acquisition activities of the XENON1T detector (www.xenon1t.org). Working with a team of experts, both at NYUAD and at collaborating institutes, he or she will have a key role in specification, design, integration and commissioning of the XENON1T data system, that encompasses data acquisition, data processing, and data quality monitoring. Funds will be available for travel to conferences and to the experiment’s site in Italy, where the candidate is expected to participate in meetings and taking shifts.

The successful applicant will have a Ph.D. in experimental particle or astroparticle or nuclear physics. Experience in software development in the field will be a title of preference. Expertise on databases like MongoDB and on the Django web framework will be a strong asset.

XENON1T is a leading experiment for direct Dark Matter search, located at the Gran Sasso Laboratory, Italy, led by an international collaboration of 20 institutions across 11 countries.

In addition to Dark Matter, expertise in the physics program at NYUAD includes exoplanets, compact objects, core-collapse supernova, x-ray binaries, jets, high-energy cosmic rays, AGN, numerical galaxy formation, general relativity, and cosmology.

Applications will be accepted immediately. Review of applications will begin April 1st 2015, and will continue until suitable candidates are found. To be considered, all applicants need to submit a curriculum vitae with bibliography, a research statement (up to 3 pages), and three letters of reference, all in PDF format. For instructions and information on how to apply, please visit our website at http://nyuad.nyu.edu/en/about/careers/faculty-positions.html. If you have any questions, please email nyuad.science@nyu.edu.

About NYUAD:  
New York University has established itself as a Global Network University, a multi-site, organically connected network encompassing key global cities and idea capitals. The network has three foundational degree-granting campuses: New York, Abu Dhabi, and Shanghai, complimented by a network of eleven research and study-away sites across five continents. Faculty and students will circulate within this global network in pursuit of common research interests and the promotion of cross-cultural and interdisciplinary solutions for problems both local and global.

Entering its fifth year, NYU Abu Dhabi has recruited a cohort of faculty who are at once distinguished in their research and teaching. Our students are drawn from around the world and surpass all traditional recruitment benchmarks, both US and global. NYU Abu Dhabi’s highly selective liberal arts enterprise is complimented by an institute for advanced research, sponsoring cutting-edge projects across the Arts, Humanities, Social Sciences, Sciences, and Engineering.

NYU Abu Dhabi is an Equal Opportunity/Affirmative Action Employer.