

Research Associate Position on CTA and VERITAS at Barnard College

Barnard College has an immediate opening for a post-doctoral research associate to work on CTA (Cherenkov Telescope Array). The successful candidate will have the opportunity to participate in the design, construction, and commissioning of a prototype CTA telescope utilizing Schwarzschild-Couder (SC) optics, and in particular working on the upgrade to a full camera for the telescope. The prototype SC telescope is located at the Fred Lawrence Whipple Observatory (FLWO) in southern Arizona, USA, which is also the site of the VERITAS Observatory. The Barnard College and Columbia University groups are collaborating on several projects related to the prototype SC telescope, and this position will focus in particular on electronics and software for the data acquisition and processing, camera installation and commissioning. The successful candidate will work closely with the Columbia University CTA Group and will be affiliated with Columbia University's Nevis Labs. In addition, the candidate will have an opportunity to work on analysis of VERITAS data on astrophysical sources. We anticipate that the successful candidate will be based in New York City. However, substantial travel to FLWO will be required, including for extended periods of time. Travel to the other institutes collaborating in the project may also be necessary to interface with various subsystems.

Applicants for this position must have their PhD (or be near completion) in Physics, Astronomy, or a related field and should have experience with high-energy astrophysics and/or high-energy physics instrumentation, simulation, and data analysis, including strong software development skills. Applications should be submitted electronically at <http://careers.barnard.edu/postings/4217> and include a cover letter, a curriculum vitae, statement of research interests highlighting past experiences and future plans, and contact information for three references. For questions or further information about the position, please contact either Prof. Reshmi Mukherjee (rm34@columbia.edu) or Prof. Brian Humensky (humensky@nevis.columbia.edu).

The position will remain open until filled, and applications will be reviewed as they are received. The target starting date is July 1st, 2019, but earlier or later dates can be negotiated. The position will be initially for 2 years, but may be extended if funding allows.

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