



**UNIVERSITÉ  
DE GENÈVE**

**FACULTÉ DES SCIENCES**

SECTION DE PHYSIQUE  
**DÉPARTEMENT DE PHYSIQUE NUCLÉAIRE  
ET CORPUSCULAIRE**

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## UNIVERSITY OF GENEVA

The IceCube and CTA group of the Department of Particle Physics has one opening for

### PostDoctoral Assistant

of one, renewable to two years, to pursue postdoctoral research in Multi-Messenger High Energy AstroPhysics and Photosensors. Preferred start dates is Jan.-Feb. 2018.

Candidates must have a PhD degree in Physics/Engineering with a specialization in Particle Physics or Particle Detectors by the hiring time.

They will work in a group composed of Prof. Teresa Montaruli, Maître d'Enseignement et de Recherche Dr. D. della Volpe, additional three postdocs and 4 PhD students and a full time electronics engineer. The University of Geneva offers the unique opportunity for postdocs to work in a very international environment. Plenty of seminars are held every week at the University and at the close-by CERN International laboratory. Moreover, the group has equipped laboratories at CERN, including one at the innovation section of IdeaSquare, and at the Department with instruments dedicated to semiconductor photosensor tests and operations. The Département de Physique Nucleaire et Corpusculaire has two electronics and a mechanics workshops equipped with clean chamber, bonding machines, climatic chambers with top level engineers.

The Postdoc will become member of the CTA Consortium and will contribute to the data taking of a 4 m diameter telescope with a SiPM camera and to the simulation work of the CTA Consortium. She/He will help in the investigation of the Intensity Interferometry application of Imaging Cherenkov Telescopes. She/He will take data at a site being defined and flexibility on travel is requested.

The Postdocs shall have adequate computing skills (Python, C++, Labview,...) and may also work for part of the time on IceCube data analysis if requested. Female candidates are strongly encouraged to apply.

Candidates should forward at their earliest convenience their curriculum vitae and at least two references to Prof. T. Montaruli ([Teresa.montaruli@unige.ch](mailto:Teresa.montaruli@unige.ch)) who can also provide further information on the positions. Web page of the group : <https://unige.ch/sciences/astroparticle/>