



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES



**Horizon 2020
European Union Funding
for Research & Innovation**

The Department of Nuclear and Particle Physics (DPNC) of the University of Geneva has an immediate opening for a

Postdoc Position in Astrophysics Space Instrumentation

We are offering a postdoctoral physicist position to an outstanding and highly motivated candidate to join the Space Astroparticle Physics group to develop a demonstrator for a deep space energetic particle detector, the Penetrating particle ANalyzer (PAN).

The goal of the PAN project is to develop an innovative in-situ instrument to precisely measure and monitor the flux and composition of highly penetrating particles in deep space. The unique capability of PAN allows it to have multidisciplinary applications in space science, including cosmic-ray physics, solar physics, planetary science, space weather and human space exploration.

PAN is currently funded by the European Commission's FETOEPN program for 3 years to develop a demonstrator. We are looking for a recent Ph.D graduate who is enthusiastic about space science and instrumentation to play a leading role in this challenging project.

The DPNC group is participating in several space-based astroparticle and astrophysics experiments, including AMS-02, DAMPE, POLAR, and the future POLAR-2, HERD and eXTP missions. The successful candidate will work with a strong team of physicists and engineers experienced in the science research, data analysis and instrument development related to space science missions.

The position is for a fixed term of 2 years, with possibility of extension. The candidate is required to have a Ph.D in experimental particle, astroparticle or astrophysics and to have demonstrated the capability to independently complete a complex particle physics measurement or a hardware project. Experience with particle detector hardware will be a strong asset.

Interested candidates are requested to submit a brief statement of research interests, a CV, and to arrange 3 letters of recommendations to be sent to Prof. Xin Wu (xin.wu@unige.ch). Applications will be accepted until the position is filled. Further inquiries can be sent to the same address.