UNIVERSITÉ DE GENÈVE

FACULTÉ DES SCIENCES

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

Postdoc Position in Astroparticle Physics

We are offering a postdoctoral physicist position to an outstanding and highly motivated candidate to join the Space Astroparticle Physics group to work on instrument development and data analyses with two space missions, the POLAR-2 mission, a Gamma-Ray Burst polarimeter that will be launched in 2028, and LunPAN, an instrument suite for a comprehensively mapping of the lunar energetic particle environment, currently under study as a payload on a lunar orbiter to be launched around 2031.

The DPNC group is a key participant in several astroparticle and astrophysics space missions, such as AMS, DAMPE and POLAR, the predecessor of POLAR-2. The group is the PI institute of both the LunPAN and POLAR-2 projects.

We are looking for a recent Ph.D graduate to play a leading role in the instrument development effort of these two missions, in particular in the prototype test and calibration, and to contribute to the preparation of exploiting the science data, including simulation, detector response and advanced data analyses techniques. The DPNC groups is a pioneer in the application of Deep Learning models for astroparticle data analyses.

The position is for a fixed term of 1 year initially, with possibility of extension. The candidate is required to have a Ph.D in experimental particle, astroparticle or astrophysics and to have demonstrated the ability to independently complete a complex physics measurement or a hardware project. Experience with particle detector hardware and advanced data analysis techniques will be a strong asset.

Interested candidates are requested to submit a brief statement of research interests, a CV, and to arrange 2-3 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.