UNIVERSITÉ DE GENÈVE
FACULTÉ DES SCIENCES
Département de physique nucléaire et corpusculaire

European Research Council
Established by the European Commission

In the framework of the MONOLITH project funded by the European Research Council with the ERC_Advanced grant 884447, the Département de Physique Nucléaire et Corpusculaire (DPNC) of the University of Geneva invites applications for a

Doctoral Student Position.

The MONOLITH project aims at the production of a monolithic silicon pixel detector with time resolution below 10 ps, to offer a sustainable solution to the future generation of particle-physics experiments at colliders and in space that would benefit of ps-level time resolution and precise position measurement.

As a first task, the selected candidate is expected to contribute to the design of the sensor prototypes by developing a sensor simulation that involves Technology CAD and GEANT4. (S)he will also participate in the test and qualification of the detector. (S)he will have the opportunity to learn the physics of semiconductors and particle detectors from a team of physicists and electronic engineers of the DPNC participating in the project.

Preference will be given to candidates with a clear interest in detector physics.

Applications should be sent to giuseppe.iacobucci@unige.ch and should include:

1. a CV (2 pages maximum),
2. the transcript of the Bachelor and Master exams, with marks,
3. a short statement of research interest,
4. two names of colleagues who could be contacted for support letters.

Review of the applications will start immediately and continue until the position will be filled. The expected starting date is July 1, 2020.

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