

## Two PhD Fellowships at the University of Milan

The theoretical high energy phenomenology group led by Stefano Forte at Milan University (Italy) invites applications for two PhD fellowships, funded by the N<sup>3</sup>PDF ERC Advanced Grant. The successful applicants will be enrolled in the PhD school at Milan university in the beginning of the academic year 2018-2019 and will be expected to graduate within three years having satisfied the necessary requirements (<http://phd.fisica.unimi.it/>). Their PhD fellowship will be fully funded. In addition they will be provided with administrative and logistic support and they will be endowed with a very generous travel allowance supporting their participation in schools, conferences and collaboration meetings and scientific exchanges.

The successful applicants will join the N<sup>3</sup>PDF team, together with an assistant professor (tenure track) and two postdocs, all being recruited now.

The N<sup>3</sup>PDF project (see <http://n3pdf.mi.infn.it>) aims at the development of innovative theoretical and phenomenological results and techniques in perturbative QCD, machine learning, statistical modeling and inference, with the determination of parton distributions in mind as a non-exclusive goal. The team will be in close contact with the NNPDF collaboration, currently counting 15 members at 12 institutions in five European countries (see <http://nnpdf.mi.infn.it>), and participate in biannual collaboration meeting and frequent exchange programs.

One of the two PhD projects will be focused on machine learning, and the other on QCD resummation, but both PhD students will be expected to interact with each other and with the rest of the team and be involved in all its scientific aspects.

Candidates expecting to complete a Master degree in Physics or related disciplines are encouraged to apply. An interest in interdisciplinary applications, and willingness to work in a team would be appreciated.

Applications should be submitted through Academic Jobs Online:

<https://academicjobsonline.org/ajo/jobs/10735>

They should include a CV with a brief statement of research interests; applicants should also arrange for at least two letters of recommendation to be sent. Applications are encouraged at any time, but in order to receive full consideration they should be submitted by April 1, 2018.

