

PhD positions in Physics at Roma Tre University

The ATLAS group at the Roma Tre University in Rome, Italy, invites applications for PhD positions in Physics. The successful candidates will have the option to choose the ATLAS Experiment at the LHC as the subject of their research.

Duration: The graduate programme lasts for 3 years and is based in Rome, with the possibility to travel frequently and for long periods to CERN. Students in their first year are required to attend courses in their subject of choice.

Funding: The School of Mathematics and Physics at Roma Tre funds **8** scholarships, which cover the University fees and provide the student with a salary of about 15300 €/year. Winners of such scholarships are free to choose the realm of physics in which to undertake their research, if compatible with local expertise and activities.

Additional **3** scholarships, of the same amount, are provided by the Italian Istituto Nazionale di Fisica Nucleare (INFN) for graduate students who wish to perform their research in particle physics.

Out of the above 11 funded positions, **3** are assigned preferentially to students who have obtained their Master degree abroad, regardless of their nationality.

Long term stay at CERN: Students in the later years of their PhD programme can also apply for an INFN grant to spend one year at CERN to complete their research.

ATLAS activities at Roma Tre: The ATLAS group at Roma Tre is composed of 8 senior members and 4 students. We continue to have a leading role in the ATLAS muon community, with the construction and calibration of the MDT detectors, the Level-1 muon barrel trigger and the upgrade using the MicroMegas technology. From the point of view of physics analysis, together with a large commitment in the area of muon data quality, the group has a primary role in Higgs physics, with searches for $H \rightarrow WW$ (gluon fusion and associated production) and for double Higgs (HH) production; and conducts measurements in top quark physics and associate calibration of b-tagging.

The deadline for applications is: June 26th, 2018 at 2 pm CET.

Applications can be filled at: <https://apps.uniroma3.it/bando2018/>

For further info, please write to: Domizia.Orestano@cern.ch