

PhD Positions in Physics, Astrophysics and Applied Physics – University of Milan (a.y. 2025/2026)

The **University of Milan** has opened the call for applications to the PhD program in **Physics, Astrophysics and Applied Physics** for the academic year 2025-2026.

Deadline for applications: June 13, 2025

Candidates must obtain their master degree by October 1st, 2025

Link to Official Posting:

<https://apps.unimi.it/files/bandi/call-2026-1-physics-astrophysics-and-applied-physics.pdf>

Special opportunity:

Among the available fellowships, **10 are funded by the University of Milan and 3 by INFN**, and they all offer the **opportunity to carry out research activities within the ATLAS experiment at CERN**, in collaboration with the **Milan ATLAS group**.

Job Description:

Successful candidates will engage in advanced research in experimental high-energy physics within the **ATLAS experiment at CERN**, using **Run 3 LHC data**. The research activities will include precision studies of the **Standard Model**, in particular the **Higgs boson properties**, as well as **searches for new phenomena beyond the Standard Model (BSM)** such as **supersymmetry**, **dark photons**, and **exotic Higgs decays**. Activity may include **performance studies of key physics objects**, particularly **electrons, photons (e/γ), and missing transverse momentum (MET)**. Contribution to **detector-related or software developments** is also possible based on interest and project requirements. This includes involvement in the **upgrade of the Liquid Argon calorimeter electronics** and the **development of silicon pixel detectors** for the **ATLAS Inner Tracker (ITk) upgrade**.

Applicants are welcome to reach out for more details or guidance. Please contact:

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