

RESEARCH ASSISTANT POSITIONS

Predoctoral Scientist position at IFT to work on theoretical physics

The Institute of Theoretical Physics UAM/CSIC is a joint research centre belonging to [Consejo Superior de Investigaciones Científicas](#) (Spanish Research Council) and [Universidad Autónoma de Madrid \(UAM\)](#)

. Its goals are the development of quality scientific research in the field of Theoretical Physics, as well as contributing to the formation of young researchers and professionals and to the transmission of this knowledge to the rest of society.

Characteristics of the position:

Candidates will be required to be doing their PhD in the field of theoretical physics being able of conducting original research in the field of High Energy Physics, specifically in Physics beyond the Standard Model that could address the underlying Flavor Physics in the observed masses spectrum and mixing pattern for the quark and lepton sector as well. Particularly, will be analyzed the modifications in some Standard Model experimental observables by assuming a strong light Higgs dynamics implemented with a Minimal Flavor Violation hypothesis. Such modifications can be testable with the experimental LHC results. While they must be capable of independent work, it must integrate within the general research program of existing research groups at the IFT.

CLOSED

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Characteristics of the position:

Candidates will be required to be in the last year of their PhD in the field of theoretical physics being able of conducting original research in the field of particle physics, particularly on the phenomenology of supersymmetric models and its predictions for electroweak observables that will be tested with high precision in the Large Hadron Collider (LHC) or neutrino experiments. While they must be capable of independent work, it must integrate within the general research program of existing research groups at the IFT. Experience is required in theoretical physics of elementary particles.

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Characteristics of the position:

Candidates will be required to conduct original research in the field of theoretical physics, particularly on supersymmetric theories and its connection with the accelerator LHC. While they must be capable of independent work, it must integrate within the general research program of

existing research groups at the IFT. Experience is required in theoretical physics of elementary particles.

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