

Farida Fassi's short Bibliography

Farida Fassi is a Professor of Physics and Particle Physicist at the Faculty of Science of Mohammed V University in Rabat. She is a Fellow of the African Academy of Sciences (2020), Linked Doctorate at the Spanish National Research Council (CSIC), Visiting Scientist at "Instituto de Física Corpuscular" (IFIC), Spain (2014) and a Visiting Professor at the University of Warwick, United Kingdom (2022).

In 1996, after completing her BSc from the University of Abdelmalek Essaâd in Morocco, she went to Spain to continue higher education. In 1999, she obtained her MSc and earned her Ph.D. in Physics at the University of Valencia, Spain in 2002. She was awarded with the European Ph.D. in Physics in recognition of her contribution in the ATLAS experiment at the European Organization for Nuclear Research (CERN). In 2003, she was granted a research fellowship at CSIC. In 2007, she was awarded a High-level postdoctoral research position at the French National Centre for Scientific Research (CNRS) to work for the CMS experiment at the "Institut de physique nucléaire de Lyon". She was the French's Tier-1 contact person at CERN and a research scientist. In 2011, she was a research associate at the Spanish Center for Particle, Astroparticle and Nuclear Physics. She contributed in the LHC experiments, ATLAS and CMS, that led to the major scientific discovery of the 21st century; the Higgs Boson.

Her research interests include various aspects of theoretical and experimental particle physics. This involves performing search for new physics and phenomena that are motivated by the presence of dark matter in our universe. Her current main interests are the search for a hidden or dark sector at LHC. These new states can be produced using, for example, exotic Higgs boson decays to light scalars, light vectors or associated productions as a portal to this hidden or dark sector that has remained inaccessible up to now. Since 2013, she is also the coordinator for the ATLAS Distributed Analysis support team and expert of ATLAS Distributed Computing team.

She is the co-founder of the "African Strategy for Fundamental Applied Physics" and member of scientific committee of the "African School of Fundamental Physics and Applications".

In terms of teaching effectiveness to promote research science physics in Africa, and in particular in Morocco, she plays a leadership role in developing a network of researchers through numerous collaborative International Scientific Programs.

Scientific production:

Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=6506648426>

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<https://publons.com/researcher/2281621/farida-fassi/>

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