

Assoc. Prof. Muammer Altan akır

Personal Information

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Biography

Altan akır

Researcher, Ph.D CERN- Associate Professor, Istanbul Technical University (ITU)

Altan akır received his M.Sc. degree in theoretical particle physics from Izmir Institute of Technology in 2006 and then went straight as a to graduate school at the Karlsruhe Institute of Technology, Germany, from which he earned a Ph.D. in experimental high energy and particle physics in 2010. During his Ph.D., he was responsible for a scientific research based on new physics searches in the CMS detector at the Large Hadron Collider (LHC) at European Nuclear Research Laboratory (CERN). Thereafter he was granted as a post-doctoral research fellow at Deutsches Elektronen-Synchotron (DESY), a national nuclear research center in Hamburg, Germany where he spent 5 years, and then recently got his present faculty position at Istanbul Technical University (ITU) in Istanbul, Turkey. Recently, Altan akır won guest faculty/scientist award from Fermi National Accelerator Laboratory (Fermilab), Illionois, USA. Currently, he is a deputy of ITU-CMS group at CERN and leading a data analysis group searching for new physics at the CMS experiment. His group's expertise is focused around machine learning techniques in data analysis and detector development. However, their research is very much interdisciplinary, with expertise in the group ranging from particle physics, detector development and data analysis synthesis to economy and industrial applications.

Altan akır involved a large number of high profile research projects at CERN and DESY last eleven years. He enjoys being able to integrate his research and teaching key concepts of particle physics and data analysis. It's rewarding to be part of the development of the next generation of physicist, and help his students move on to careers all over the world, in academia, industry and government.

Education Information

Doctorate, Universitat Karlsruhe, Fizik Fakóltesi, Deneysel Paracık Fiziđi, Germany 2006 - 2010

Post Graduate, İzmir Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Fizik (YI), Turkey 2003 - 2006

Post Graduate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Fen Ve Matematik Alanlar Eđitimi (YI), Turkey 2002 - 2004

Under Graduate, Ege Üniversitesi, Fen Fakóltesi, Fizik Bölümü, Turkey 1997 - 2002

Foreign Languages

German, B2 Upper Intermediate

English, C1 Advanced

Dissertations

Doctorate, Standard Model Background Studies for SUSY Searches with the CMS Detector at the LHC, Universitat

Karlsruhe, Institut Fuer Kernphysik, 2010

Post Graduate, Flavor violation in supersymmetry, İzmir Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Fizik (YI), 2006

Research Areas

Basic Sciences, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Basic Particles and Areas

Academic Titles / Tasks

Associate Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Bölümü, 2015 - Continues

Associate Professor, --Seçiniz--, Cern , Cms Experiment, 2005 - Continues

Associate Professor, --Seçiniz--, Fermi National Accelerator Laboratory (Fermilab), Lpc-Cms, 2017 - 2017

Medical Doctor, Universitat Karlsruhe, Fizik Fakültesi, Deneysel Parçacık Fiziği, 2010 - 2010

Other, Boston University, Faculty Of Science, Physics, 2006 - 2006

Other, The Weizmann Institute Of Science, Cern Groups, Physics Department, 2006 - 2006

Research Assistant PhD, İzmir Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Fizik Bölümü, 2004 - 2006

Other, Universita Degli Di Lecce, Physics, High Energy And Particle Physics, 2005 - 2005

Other, --Seçiniz--, International Centre For Theoretical Physics, Ictp, 2004 - 2004

Professional Experience

Courses

Physics I SUNY, Under Graduate, 2016 - 2017

Special Topics in HEP I, Doctorate, 2016 - 2017

Event Generators and Searches of Supersymmetry, Doctorate, 2014 - 2015

Event Generators and Search for Supersymmetry at the CMS Experiment, Doctorate, 2012 - 2013, 2014 - 2015

Introduction to Supersymmetry Searches at the LHC, Post Graduate, 2012 - 2013

Supported Projects

Çakır M. A. , Project Supported by Higher Education Institutions, CMS Veri Çözümleme Sempozyumu ve İleri Araştırma Teknikleri, 2016 - 2018

Citations

Total Citations (WOS):16

h-index (WOS):2