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Education

- 2009 - ... , Ph.D. Physics, Bogazici University
2005 - 2008, M.A. Physics, Bogazici University
2000 - 2005, B.S. Physics, Koc University

Research Experience

- 2009 - ... , *PhD Research, CAST Experiment, CERN*
CAST experiment and Micromegas Dedector Analysis
Supervisor: Prof. Metin Arik
- 2006 - 2008, *M.S. Thesis, Bogazici University*
Unitary Matrix Hopf Algebras and Theta-Deformed Fermion Algebra
Supervisor: Prof. Metin Arik

Professional Experience

- 2011 - *CAST Experiment, CERN*, Contactperson of the CAST experiment
2009 - 2011 *CAST Experiment, CERN*, Responsible of Sunset Micromegas Detectors and
Slow Control Systems

Skills

I have been in the CAST experiment since 2009. During my stay, I've worked in many areas. My main responsibility at CAST was on micromegas detector(hardware, maintenance and analysis), vacuum systems, mechanical movement of CAST magnet. I've gained important skills on both hardware and software. I've done programming in many languages. Although I mainly programmed in python and C++, my programming skills were not limited to that. I've maintained a labview based control software, created and maintained several web sites that are built with html and php.

Schools Attended

- 2011 January , ISTAPP - International School of Theory and Analysis in Particle Physics
2010 January , ISOTDAQ - International School on Trigger and Data Acquisition

Publications

- Search for Sub-eV Mass Solar Axions by the CERN Axion Solar Telescope with ^3He Buffer Gas*
The CAST Collaboration, Phys. Rev. Lett. 107, 261302 (2011)

Performance of micromegas detectors in the CAST Experiment
S C Yildiz et al 2012 J. Phys.: Conf. Ser. 347 012029

Technical & Computing Skills

Python, C++, Linux, Labview, ROOT, Php, L^AT_EX

Teaching Experience

2009 - 2012, *Bogazici University*, Teaching and Research Assistant
2003 - 2005 , *Koc University*, Laboratory Research Assistant
2003 , *Koc University*, Laboratory Assistant for Introductory Physics courses
2002 - 2003 , *Koc University Volunteers*, Volunteer teaching assistant for economically disadvantaged high school students.

Awards and Honors

2012, Berkol Doğan Award
2005-2007, TUBITAK Domestic Scholarship for Masters
2005, Top Ranking Student Award - Koc University Physics Department
2000-2005, Vehbi Koc Scholarship

Language Skills

Turkish, Native

English, Fluent

French, Intermediate

Spanish, Intermediate

Personal

Born on March 22, 1983.

Citizen of Republic of Turkey.

References

References are available upon request