

CURRICULUM VITAE

Name, surname : Gülsen Önengüt
Place and date of birth : Antalya, Turkey; 13.09.1944
Marital status : Married with three children
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EDUCATION

B.S. :1965, Electrical Eng'g, Robert College, Istanbul (Highest cumulative grade point average in graduating class)
M.A. :1967, Physics, Brandeis University, Waltham, Mass.USA (Charles Revson Science Fellowship)
Ph.D. :1972, Physics, Middle East Technical University [Turkish Scientific and Technical Research Council (TUBITAK) Scholarship].

EMPLOYMENT

Research Assistant, , Middle East Technical University, Physics Department, 1967-1972.
Instructor, Middle East Technical University, Physics Department, 1972-1974.
Assistant Professor, Middle East Technical University, Physics Department, 1974-1977.
Associate Professor, Middle East Technical University, , Physics Department, 1977-1983.
Visiting Assistant Professor, Syracuse University, Physics Department, 1977-1981.
Professor, Cukurova University, Physics Department, 1983-2011.
Visiting Professor, Near East University, Electrical Eng'g Department, 1995-1997.
Prfoessor, Çağ University, Department of Mathematics and Computer Science, March 2013-present

COURSES TAUGHT

Undergraduate level:

General Physics (for engineering, medical school, science and social science students), Classical mechanics, Electromagnetic Theory (for physics and electrical engineering students), Quantum Physics, Special Theory of Relativity, Differential Equations, Quantum Mechanics, Nuclear Physics, Particle Physics, Physics Education with Microcomputers , General Physics Laboratory, Quantum Physics Laboratory.

Graduate level:

Mathematics for Science and Engineering, Analytical Mechanics, Electromagnetic Theory (for physics and electrical engineering students , Quantum Mechanics, Relativistic Quantum Mechanics, Quantum Field Theory, Group Theory, Particle Physics, Special Topics in Particle Physics.

RESEARCH EXPERIENCE

Middle East Technical University:

Scanning of nuclear emulsions from the CERN experiment on the measurement of the magnetic moment of lambda hyperon, measurement of the events found and data analysis. Phenomenological studies on the total and differential cross sections of hadrons.

Syracuse University:

The design and construction of the detector, Monte Carlo studies, data taking and data analysis in the

experiment to search for narrow resonances in the low energy antiproton-proton interactions conducted at Brookhaven National Laboratory,

Çukurova University:

Use of microcomputers in science and physics education (especially in student laboratories) ; detector research and development; investigation of neutrino oscillations in the WA95-CHORUS Experiment at CERN; design, construction , test beam analysis and calibration of the hadronic forward (HF) and CASTOR calorimeters of the CMS (Compact Muon Solenoid) experiment at CERN, physics analysis of simulation and real data of CMS experiment, setting up of the high energy physics laboratory in the Physics Department, quality control tests of photomultipliers of the CASTOR calorimeter in this laboratory.

ADMINISTRATIVE DUTIES

Chairperson of Physics Department, Çukurova University, 1983-1988.
Member of the Administrative Board of Faculty of Arts and Sciences of Çukurova University, 1983-1988.
Member of the Board of Faculty of Arts and Sciences of Çukurova University, 1983-1991.
Member of the Board of Graduate School of Sciences of Çukurova University, 1983-1988.
Member of the Administrative Board of Faculty of Engineering of Near East University, 1995-1997.
Chairperson of Musicology Department, Çukurova University Conservatory, 1999-2001.
Member of the Administrative Board of Çukurova University Conservatory, 1999-2001.
Member of the Advisory Board of Turkish Atomic Energy Authority (TAEK), 2004-2007.
Member of TAEK CERN Scientific Committee, 2006-2009.

MEETINGS ORGANIZED

UNESCO Mathematical Physics Seminar Çukurova University, 22-30 November 1984.

Second Regional Conference on Mathematical Physics, Çukurova University, 21-27 September 1987.

Workshop on Computers in Physics Education, Çukurova University, 25-30 September 1989.

Türk Fizik Vakfı İlk ve Orta Öğretimde Fen-Fizik Eğitimi Toplantısı, Çukurova Üniversitesi, 20-21 Nisan 1998.

Member of Turkish Physics Congress Scientific Committee, 1990-1993, 1999, 2002, 2004, 2005.

Member of the Scientific Committee of First Regional ICFA Instrumentation School/Workshop, İstanbul, 17-28 June 2002.

Member of the Scientific Committee of VIII.Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Kayseri, 15- 17October 2003.

Member of the Scientific Committee of II. Ulusal Parçacık Hızlandırıcıları ve Uygulamaları Kongresi (UPHUK II), Ankara, 7-9 June 2004.

Member of the Scientific Committee of IX. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, İzmir, September 2005.

Member of the Scientific Program Committee of Sixth Balkan Physics Union Conference (BPU-6), İstanbul, 22-26 August 2006.

Member of the Organizing Committee of CMS Integration & Physics Simulation Workshop Antalya, Turkey; 28-31 March 2006.

Member of the Scientific Committee of Turkish Physical Society 24th International Physics Congress (TFD24) Malatya; 28-31 August 2007.

Member of the National Committee of Nuclear Physics and Astrophysics: From Stable Beams to Exotic Nuclei, Cappadocia 25-30 June 2008.

Member of the Scientific Committee of Turkish Physical Society 25th International Physics Congress (TFD25) Bodrum, 25-29 August 2008.

Member of the Scientific Advisory Committee of International Conference on Particle Physics, Istanbul, 27-31 October 2008.

Member of the Local Committee of School of Computer Applications in Accelerator and Particle Physics 26-30 January 2009.

President of the Advisory Committee of Turkish Physical Society 26th International Physics Congress (TFD26) Bodrum, 24-27 September 2009.

Member of the Advisory Committee of V. Uluslararası Katılımlı Parçacık Hızlandırıcıları ve Detektörleri Yaz Okulu (UPHDYO V), 29 August-3 September 2009.

President of the Advisory Committee of VI. Uluslararası Katılımlı Parçacık Hızlandırıcıları ve Detektörleri Yaz Okulu (UPHDYO VI), 2-7 September 2010.

Member of the Advisory Committee of IV. Ulusal Parçacık Hızlandırıcıları ve Uygulamaları Kongresi (UPHUK IV), 30 August- 1 September 2010.

Member of the Scientific Committee of Turkish Physical Society 27th International Physics Congress (TFD27), Istanbul, 14-17 September 2010.

Member of Physics Advisory Committee and Organizing Committee of CMS Physics Week, Bodrum, Turkey, 14-18 September 2010.

Member of the Scientific Advisory Committee of International Conference on Particle Physics II, Istanbul, 20-25 June 2011.

Member of the Advisory Committee of VII. Uluslararası Katılımlı Parçacık Hızlandırıcıları ve Detektörleri Yaz Okulu (UPHDYO VI), 21-26 August 2011.

Member of the Scientific Committee of Turkish Physical Society 28th International Physics Congress (TFD28), Bodrum, 6-9 September 2011.

AWARDS

Türk Fizik Derneği Prof.Dr. Engin Arık Bilim İnsanı Ödülü, 2009.

SUPERVISED THESIS

MSc:

AYŞE KUZUCU Yüksek Enerjili Elastik Hadronik Saçılmayı Açıklamakta Kullanılan Kuramsal Kavramlar ve Modeller, 1986.

EDA EŞKUT Yüksek Enerjili Elastik Hadronik Saçılma ile İlgili Deneysel Veriler ve Fenomenoloji, 1986.

EMEL BAŞARAN Parçacık Dedektörleri, 1987.

AŞKIN YEŞİM
ERSÖZLÜ(BOLKAR) Öğrenci Laboratuvarları için Mikrobilgisayar Destekli Fizik

- Deneyleri Geliştirilmesi, 1994.
- İSA DUMANOĞLU Bir B Fiziği Deneyinde Kullanılacak Silisyum Mikroköşe Dedektöründe İz Tayini, 1995.
- AYSEL KAYIŞ CHORUS Nötrino Osilasyon Deneyinde Kullanılan Müon Spektrometresinin Simülasyonu, 1995.
- HASAN ARSLAN Dirac Equation and Hydrogen Atom, 1998.
- BAYRAM TALİ Yüksek Enerji Fiziğinde Kullanılan Kalorimetreler, 2001.
- DİDAR DOBUR CMS Deneyinde Standart Model Higgs Aranması, 2002.
- İLKNUR KARA CMS Deneyinde Kullanılan Fiberlerde Cherenkov ve Luminesans Olaylarının İncelenmesi, 2004.
- SERTAÇ ÖZTÜRK CMS-CASTOR Alt Detektörünün Fototüplerinin Kalite Kontrol Testleri, 2007.
- SEMİRAY GİRGİS CMS (Compact Muon Solenoid) Deneyinde Süpersimetri Keşif Potansiyeli, 2007.
- SUZAN BAŞEĞMEZ CMS deneyinde, ileri kalorimetre olarak kullanılacak olan CASTOR kalorimetresinin 2007 hüzmeye testi analizi, 2008.
- EMİNE GÜRPINAR 2008 beam test analysis of CASTOR calorimeter and pedestal stability of HCAL during global runs, 2009.
- PhD:**
- NAZİFE ÖZDEŞ Observation of Double Pomeron Exchange at CERN $S\bar{p}p$ S Collider, 1992.
- AYŞE KUZUCU Single Diffractive Excitation at CERN SPS Collider, 1992.
- EDA EŞKUT Production of Secondaries at Supercollider Energies, 1992.
- AYSEL KAYIŞ Analysis of the Data of the CHORUS Neutrino Oscillation Experiment at CERN 1999.
- İSA DUMANOĞLU Radiation Hardness Tests of the Very Forward Calorimeter of the CMS Detector at CERN-LHC 2001.
- TAYLAN YETKİN Search for SUSY in missing transverse energy plus multijet topologies, 2006.
- BAYRAM TALİ Test results of the Hamamatsu R7378A Phototubes, analysis of the test beam 08 and preliminary after-installation data of the CMS-CASTOR calorimeter, 2009.
- NUMAN BAKIRCI Calibration and test studies of hadronic forward, hadronic barrel and CASTOR detectors at CMS, 2009.
- SERTAÇ ÖZTÜRK Search for new particles decaying to dijet in 7 TeV proton-proton collisions at CMS, 2011.
- ASLI AZMAN GÖKÇE Alfalarla oluşturulan ve alfa yayımlanan nükleer reaksiyon tesir kesitlerinin ve uygulama alanlarının araştırılması, 2013.

EMİNE GÜRPINAR Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV, 2016