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### Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: ABB-3382-2020

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### Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1997 - 2000

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1994 - 1997

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1989 - 1994

### Yabancı Diller

İngilizce, C1 İleri

### Araştırma Alanları

Fizik, Temel Parçacıklar ve Alanlar , Özel parçacıkların özellikleri, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2010 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2007 - 2010

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2004 - 2007

Öğretim Görevlisi Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2003 - 2004

Öğretim Görevlisi Dr., Nagoya University, Science Faculty, Physics Department, 2000 - 2002

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1994 - 2000

### Yönetilen Tezler

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GÜLER A. M., Search for pair production of a heavy quark decaying into top quark and photon in semi-leptonic channel with the CMS detector in the LHC, Yüksek Lisans, E.AŞILAR(Öğrenci), 2014  
GÜLER A. M., Measurement of differential photon-jet cross section from 7 TeV PP collisions in the CMS experiment at the LHC, Doktora, K.ÖCALAN(Öğrenci), 2012  
GÜLER A. M., OPERA deneyinde otomatik tarama sistemiyle nötrino etkileşim analizi, Yüksek Lisans, B.Hosseini(Öğrenci), 2012  
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- III. **The SHiP experiment at the proposed CERN SPS Beam Dump Facility**  
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- IV. **Track reconstruction and matching between emulsion and silicon pixel detectors for the SHiP-charm**

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- V. **OPERA tau neutrino charged current interactions**  
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- VI. **Sensitivity of the SHiP experiment to dark photons decaying to a pair of charged particles**  
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- VII. **Sensitivity of the SHiP experiment to light dark matter**  
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- VIII. **First observation of a tau neutrino charged current interaction with charm production in the OPERA experiment: OPERA Collaboration**  
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- IX. **Measurement of the muon flux from 400 GeV/c protons interacting in a thick molybdenum/tungsten target**  
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- X. **DsTau: study of tau neutrino production with 400 GeV protons from the CERN-SPS**  
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- XI. **The magnet of the scattering and neutrino detector for the SHiP experiment at CERN**  
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- XII. **Fast simulation of muons produced at the SHiP experiment using Generative Adversarial Networks**  
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- XIII. **Measurement of the cosmic ray muon flux seasonal variation with the OPERA detector**  
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- XIV. **Final results on neutrino oscillation parameters from the OPERA experiment in the CNGS beam**  
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- XVI. **The experimental facility for the Search for Hidden Particles at the CERN SPS**  
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- XVII. Results from the OPERA Experiment in the CNGS Beam**  
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- XVIII. Discovery potential for directional Dark Matter detection with nuclear emulsions**  
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- XIX. Final results of the search for  $\nu(\mu) \rightarrow \nu(e)$  oscillations with the OPERA detector in the CNGS beam**  
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- XX. Final Results of the OPERA Experiment on  $\nu(\tau)$  Appearance In the CNGS Neutrino Beam**  
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- XXI. Study of charged hadron multiplicities in charged-current neutrino-lead interactions in the OPERA detector**  
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- XXII. Brightness and uniformity measurements of plastic scintillator tiles at the CERN H2 test beam**  
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- XXIII. The active muon shield in the SHiP experiment**  
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- XXIV. Readout technologies for directional WIMP Dark Matter detection**  
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- XXV. Discovery of tau Neutrino Appearance in the CNGS Neutrino Beam with the OPERA Experiment**  
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- XXVI. Limits on muon-neutrino to tau-neutrino oscillations induced by a sterile neutrino state obtained by OPERA at the CNGS beam**  
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- XXVIII. Procedure for short-lived particle detection in the OPERA experiment and its application to charm decays**  
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- XXIX. Evidence for  $\nu(\mu) \rightarrow \nu(\tau)$  appearance in the CNGS neutrino beam with the OPERA experiment**

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- XXX. **New results on  $\nu(\mu) \rightarrow \nu(\tau)$  appearance with the OPERA experiment in the CNGS beam**  
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- XXXV. **Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target**  
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- XXXVI. **Study of neutrino interactions with the electronic detectors of the OPERA experiment**  
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- XXXVIII. **Measurement of the atmospheric muon charge ratio with the OPERA detector**  
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- XXXIX. **Leading order analysis of neutrino induced dimuon events in the CHORUS experiment**  
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- XL. **Emulsion sheet doublets as interface trackers for the OPERA experiment**  
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- XLI. **Search for charmed pentaquarks in high energy anti-neutrino interactions**  
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## **Diğer Dergilerde Yayınlanan Makaleler**

**I. An advanced method for the development of highly reliable asphalt concrete mixture**

Kosparmakova S. A., Shashpan Z. A., GÜLER A. M.

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**II. More results from the OPERA experiment**

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**III. OPERA neutrino oscillation results**

GÜLER A. M.

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## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

**I. NA65(DsTau): study of tau neutrino production in p-A interactions**

GÜLER A. M.

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**II. The SND@LHC experiment at CERN**

GÜLER A. M.

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**III. DsTau: study of tau neutrino production with nuclear emulsion in the CERN-SPS**

Güler A. M.

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**IV. Study of tau neutrino production at the CERN SPS**

GÜLER A. M.

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**V. OPERA Deneyi**

KAMIŞCIOĞLU Ç., GÜLER A. M.

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**VI. Nuclear Emulsion Based Detector for Directional Dark Mater Search**

Güler A. M.

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**VII. Directional Search for Dark Matter Using Nuclear Emulsion**

GÜLER A. M.

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**VIII. Discovery potential for directional dark matter detection with nuclear emulsions**

GÜLER A. M.

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**IX. SHiP a new facility with a dedicated detector to search for new long lived neutral particles and studying tau neutrino properties**

GÜLER A. M.

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**X. NEWS Nuclear Emulsions for WIMP Search**

GÜLER A. M.

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**XI. The OPERA experiment**

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**XII. SHIP Search for Hidden Particles at CERN**

GÜLER A. M.

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**XIII. Performance of Automatic Scanning Microscope for Nuclear Emulsion Experiments**

GÜLER A. M., Altınok O.

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**XIV. Measurement of associated charm production in neutrino-nucleon interactions**

Guler A. M.

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**XV. Final results of the search for  $\nu(\mu)$  to  $\nu(\tau)$  oscillations by CHORUS**

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## **Desteklenen Projeler**

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## **Akademi Dışı Deneyim**

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