

Ulaş Özdem

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Present address

Florya Yerleşkesi Beşyol Mah. İnönü Cad. No:38 Küçükçekmece / İstanbul

Personal details

Date of birth: 01.01.1985

Place of birth: Muş/Turkey

Citizenship: Turkish

Education

- 02/2010–06/2016 **Ph. D.**, *High Energy Physics*, Çanakkale Onsekiz Mart University, Çanakkale, Turkey
Ph.D thesis title: Calculations of light baryon form factors in light-cone QCD sum rules,
Supervisor: Assoc. Prof. Ayşe KÜÇÜKARSLAN
- 09/2007–01/2010 **Ms. C.**, *High Energy Physics*, Çanakkale Onsekiz Mart University, Çanakkale, Turkey
Ms.C thesis title: $g_{V\sigma\gamma}$ coupling constants in QCD sum rules,
Supervisor: Asistant Prof. Ayşe KÜÇÜKARSLAN
- 09/2003–06/2007 **Physics**, *Çanakkale Onsekiz Mart University*, Çanakkale, Turkey.

Fields of Research Interest

Particle Phenomenology; Formation and Structure of Standard Hadrons and Exotic states (tetraquarks, pentaquarks, dibaryons, meson molecules, hybrids, glueballs, etc.); Multipole Moments of Hadrons and Their Geometric Shapes, Electromagnetic, Weak and Strong Decays of standard Hadrons and Exotics; Three Point and Light Cone QCD Sum Rules.

Symposia/Conferences attended

- Summer School IV Nuclear Collective Dynamics, 30.06-04.07.2008, Feza Gürsey Enstitüsü, İSTANBUL, TURKEY.
- International Summer School and Conference on High Energy Physics: Standart Model and Beyond, 10-18.09.2008, MUĞLA, TURKEY.
- II. International Conference on Hadron Physics TROİA'09, 10-14.09.2009, ÇANAKKALE, TURKEY.
- II. Yüksek enerji Fiziği Yaz Okulu, 13-26.07.2009, Feza Gürsey Enstitüsü, İSTANBUL, TURKEY.
- Summer School V Nuclear Collective Dynamics, 04-10.07.2010, Feza Gürsey Enstitüsü, İSTANBUL, TURKEY.
- International Summer School and Conference on High Energy Physics: Standart Model and Beyond, 27.08-04.09.2010, MUĞLA, TURKEY.

Poster title: The Coupling Constants $g_{\Phi a_0 \gamma}$ in QCD Sum Rules.

- Turkish Physical Society: 27. Physics Congress, 13-17.09.2010, İSTANBUL, TURKEY

Title of talk : The Coupling Constants $g_{f_0 \rho \gamma}$ and $g_{f_0 \omega \gamma}$ in QCD Sum Rules,

Poster title: The Coupling Constants $g_{a_0 \rho \gamma}$ and $g_{a_0 \omega \gamma}$ in QCD Sum Rules.

- International Congress on Advances in Applied Physics and Materials Science, 12-15.05.2011, ANTALYA, TURKEY

Poster title: Radiative $\Phi \rightarrow \sigma \gamma$ Vertex in QCD Sum Rules and Phenomenological Approach.

- III. International Conference on Hadron Physics TROİA'11, 22-25.08.2011, ÇANAKKALE, TURKEY.
- Ankara Yüksek Enerji Fiziği Günleri Çalıştayı, 27-30.12.2011, ANKARA, TURKEY

Title of talk: $N - \Delta$ isovector axial vector transition form factors in QCD.

- I. Uludağ Yüksek Enerji Fiziği Kış Okulu, 5-11.02.2012, BURSA, TURKEY.
- Parçacık Fabrikalarında Fizik (B-Kuarklı ve C-Kuarklı Mezonlar Çalıştayı), 16-18.03.2012, ANKARA, TURKEY.

TURKEY.

- Workshop on Developments in High Energy Physics, 21-23.04.2012, Güzelyurt, CYPRUS.
- İzmir Yüksek Enerji Fiziği ve Uygulamaları Çalıştayı, 19-23.06.2012, İZMİR, TURKEY.

Title of talk: $\Delta - \Delta$ isovector axial vector transition form factors in QCD.

- Turkish Physical Society: 30. Physics Congress, 2-5.09.2013, İSTANBUL, TURKEY.

Title of talk: Octet-decuplet hyperon isovector axial vector transition form factors in QCD

- IV. International Conference on Hadron Physics TROİA'14, 1-5.07.2014, ÇANAKKALE, TURKEY.
- The XXII International Workshop High Energy Physics and Quantum Field Theory, 24.06 –01.07, 2015, SAMARA, RUSSIA.

Title of talk: $\Delta - \Delta$ isovector axial form factors in QCD.

- XVI Workshop on High Energy Spin Physics, 8-12. 09. 2015, DUBNA, RUSSIA.

Conference/School Organizations

- Local organizing committee of II. International Conference on Hadron Physics TROİA'09, 10-14.09.2009, ÇANAKKALE, TURKEY.
- Local organizing committee of III. International Conference on Hadron Physics TROİA'11, 22-25.08.2011, ÇANAKKALE, TURKEY.
- Local organizing committee of IV. International Conference on Hadron Physics TROİA'14, 1-5.07.2014, ÇANAKKALE, TURKEY.

Scholarship

- Non-perturbative Hadron Interactions in QCD, TÜBİTAK-110T245, 01/2011-01/2014, scholarship student.
- International Doctoral Research Fellowship Programme, TÜBİTAK-2214/A, 11/2014-11/2015, scholarship student.
- Investigation of Physical Properties of Exotic Hadrons, TÜBİTAK-115F183, 11 /2016-10 /2018, Post-Doc.
- 2218-National Postdoctoral Research Scholarship Programme, TÜBİTAK-2218, 01/2019-08/2020.

Computer skills

Basic Maple

Intermediate Mathematica
Miscellaneous Windows, Linux, Office, \LaTeX

Qualities

Personal skills: Able to work in a team and independently, good analytical skills, highly motivated and focused at work, problem-solving skills, eager to learn and to develop new skills.

Publications

List of publications: INSPIRES