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Eğitim Bilgileri

Doktora, Ruprecht-Karls-Universitaet Heidelberg, Physics, Theoretical Physics, Almanya 2000 - 2003

Yüksek Lisans, Ruprecht-Karls-Universitaet Heidelberg, Physics, Theoretical Physics, Almanya 1993 - 2000

Araştırma Alanları

Fizik, Astronomi ve Astrofizik, Temel Bilimler

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, İstanbul Üniversitesi, Fen Fakültesi, Astronomi, 2018 - Devam Ediyor

Yrd. Doç. Dr., İstanbul Üniversitesi, Fen Fakültesi, Astronomi, 2016 - 2018

Araştırma Görevlisi Dr., Universität Tübingen, Physics Faculty, Physics Dept., 2014 - 2016

Araştırma Görevlisi Dr., University of Washington, Physics Faculty, Physics Faculty, 2008 - 2014

Araştırma Görevlisi Dr., Universitaet Graz, Physics Faculty, Physics Faculty, 2006 - 2008

Araştırma Görevlisi Dr., Ruprecht-Karls-Universitaet Heidelberg, Physics Faculty, Physics Faculty, 2005 - 2005

Araştırma Görevlisi Dr., North Carolina State University, Physics Faculty, Physics Faculty, 2003 - 2005

Araştırma Görevlisi, Ruprecht-Karls-Universitaet Heidelberg, Physics Faculty, Physics Faculty, 2000 - 2003

Öğretim Görevlisi, Ruprecht-Karls-Universitaet Heidelberg, Physics Faculty, Physics Faculty, 2000 - 2000

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Signatures for quark matter from multi-messenger observations**
Alford M. G., Han S., Schwenzer K. O.
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- II. **Viscous Dissipation and Heat Conduction in Binary Neutron-Star Mergers**
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- III. **X-ray bounds on the r-mode amplitude in millisecond pulsars**
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- IV. **r-mode astronomy**

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VI. **Gravitational wave emission from oscillating millisecond pulsars**

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VIII. **Probing dense matter in compact star cores with radio pulsar data**

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IX. **QCD and strongly coupled gauge theories: challenges and perspectives**

Brambilla N., Eidelman S., Foka P., Gardner S., Kronfeld A. S., Alford M. G., Alkofer R., Butenschoen M., Cohen T. D., Erdmenger J., et al.

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XII. **Bridging the Gap by Squeezing Superfluid Matter**

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XIII. **Viscous damping of r-modes: Large amplitude saturation**

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XV. **Large amplitude behavior of the bulk viscosity of dense matter**

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XVI. **On the infrared scaling solution of SU(N) Yang-Mills theories in the maximally Abelian gauge**

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XVIII. **Infrared singularities in Landau gauge Yang-Mills theory**

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- XXII. **The quark-gluon vertex in Landau gauge QCD: Its role in dynamical chiral symmetry breaking and quark confinement**
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- XXIII. **The infrared behavior of Landau gauge Yang-Mills theory in d=2, 3 and 4 dimensions**
Huber M. Q., Alkofer R., Fischer C. S., Schwenzer K. O.
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- XXIV. **What the infrared behavior of qcd vertex functions in Landau gauge can tell us about confinement**
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- XXV. **Perturbative QCD results in the strong coupling regime of dense matter**
Schwenzer K. O.
NUCLEAR PHYSICS A, cilt.785, 2007 (SCI-Expanded)
- XXVI. **Low-energy dynamics in ultradegenerate QCD matter**
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- XXVII. **Neutrino emission from ungapped quark matter**
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- XXVIII. **Linking the quark meson model with QCD at high temperature**
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- XXIX. **Non-Fermi liquid effects in QCD at high density**
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- XXX. **Resolution-dependent quark masses from meson correlators**
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- XXXI. **Spectrum of the Dirac operator in the linear sigma model with quarks**
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- XXXIII. **Unifying nucleon and quark dynamics at finite baryon number density**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **X-ray bounds on the r-mode amplitude in millisecond pulsars**
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III. Impact of r-modes on the cooling of neutron stars

Alford M. G., Mahmoodifar S., Schwenzer K. O.

International Workshop on Quantum Chromodynamics - Theory and Experiment (QCD at Work), Lecce, İtalya, 18 - 21 Haziran 2012, cilt.1492, ss.257-263

IV. Non-linear viscous saturation of r-modes

Alford M., Mahmoodifar S., Schwenzer K. O.

9th International Conference on Quark Confinement and the Hadron Spectrum, Madrid, İspanya, 30 Ağustos - 03 Eylül 2010, cilt.1343, ss.580-582

V. Suprathermal viscosity of dense matter

Alford M., Mahmoodifar S., Schwenzer K. O.

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VI. Non Fermi liquid effects in dense matter and compact star cooling

Schwenzer K. O., Schafer T.

6th International Conference on Strong and Electroweak Matter (SEWM 2004), Helsinki, Finlandiya, 16 - 19 Haziran 2004, ss.421-425

VII. Renormalization group approach to the phase diagram of strong interaction

Schwenzer K. O., Pirner H.

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Desteklenen Projeler

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