Mekhak Vazgen Hayrapetyan

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Institute of Physics
Chair of Theoretical and Mathematical Physics
Associate professor

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Associate professor

Research Institute of Physics
Տեսական և մաթեմատիկական ֆիզիկայի կենտրոն
Senior Engineer

Education

Institution	Yerevan State University
Faculty	Faculty of Physics, Chair of General Physics
Date	1988 - 1993
Degree name	Qualified specialist

Scientific Rank/degree

Date	2004
Degree name	Candidate
Scientific Supervisor	David Sedrakian
Research Topic	Pulsars՝ angular velocity glitches ant their relaxation

Language skills

Հայերեն Русский English

Work experience

Institution	Yerevan State University
Period of time	2011 till now
Rank/degree	docent

Institution	Yerevan State University
Period of time	2001 till now
Rank/degree	senior researcher

Publications

Article

Electrical conductivity of a warm neutron star crust in magnetic fields: Neutron-drip regime
Arus Harutyunyan, Armen Sedrakian, Narine T. Gevorgyan, Mekhak V. Hayrapetyan

Physical review. C 2024 055804

Article

Stationary States of an Electron in a Prolate Spheroidal Quantum Dot [Стационарные состояния электрона в вытянутой сфероидальной квантовой точке]
M. V. Hayrapetyan, A. Zh. Muradyan

Proceedings of NAS RA Physics 2024 144 - 148

Study manual

Լաբորատոր պարապմունքների ուղեցույց: Մոլեկուլային ֆիզիկա
Ա. Ժ. Մուրադյան, Դ. Հ.. Բադալյան, Ռ. Ց. Գաբրիելյան, Մ. Վ. Հայրապետյան, Լ. Ա. Հովհաննիսյան

2019 60

Article

Генерация магнитного поля в гибридных звездах
М.В.Айрапетян, Д.М.Седракян, Д.Багдасарян

Astrophysics 2018 131-140

http://www.flib.sci.am/eng/Astrophysics/Frame.html

Article

Магнитное поле нейтронной звезды с кварковым ядром
М.В.Айрапетян, Д.М.Седракян

Astrophysics 2018 573-584

Study manual

Լաբորատոր պարապմունքների ուղեցույց: Մեխանիկա
Մ.Հայրապետյան, Մ.Աբրահամյան, Ռ.Գաբրիելյան, Գ.Մուրադյան, Մ.Հարությունյան, Հ.Ենոքյան

2018 150

Article

О гравитационном излучении компактных звзд
М.В.Айрапетян, Д.С.Багдасарян

Astrophysics 2016 93-102

http://www.springer.com/astronomy/journal/10511

Article

. Magnetic field of strange stars with rotating superfluid core
D.M.Sedrakian, M.V.Hayrapetyan, D.S.Baghdasaryan

Proceedings of Science 2016 017

http://pos.sissa.it/POSwhat.html

Article

MAGNETIC FIELD OF STRANGE STARS
D.M.Sedrakian, M.V.Hayrapetyan, D.S.Baghdasaryan

Proceedings of the YSU A Physical and Mathematical Sciences 2016 47-51

http://www.ysu.am/science/en/journals

Article

GENERATION AND DISTRIBUTION OF A MAGNETIC FIELD IN SUPERCONDUCTING STRANGE STARS

D.M.Sedrakian, M.V.Hayrapetyan, D.S.Baghdasaryan

Astrophysics 2015 536-549

http://www.springer.com/astronomy/journal/10511

Article

STRANGE QUARK STARS WITH A ROTATING SUPERFLUID CORE

D.M.Sedrakian, M.V.Hayrapetyan, D.S.Baghdasaryan

Astrophysics 2015 216-232

http://www.springer.com/astronomy/journal/10511

Article

MECHANISM FOR RADIO EMISSION OF PULSARS

D.M.Sedrakian, M.V.Hayrapetyan

Astrophysics 2015 131-156

http://www.springer.com/astronomy/journal/10511

Conference

Magnetic field of strange stars with rotating superfluid core

D.M.Sedrakian, M.V.Hayrapetyan, D.S.Baghdasaryan

2015 017/1-7

https://indico.cern.ch/event/360350/

Article

ABSORPTION OF MAGNETOSONIC WAVES IN THE CRUST OF NEUTRON STARS. RADIO EMISSION FROM PULSARS

D. M. Sedrakian, A. S. Harutyunyan, M. V. Hayrapetyan

Astrophysics 2014 530-549

Article

MAGNETOHYDRODYNAMIC EQUATIONS FOR THE CRUST OF NEUTRON STARS

D. M. Sedrakian, A. S. Harutyunyan, M. V. Hayrapetyan

Astrophysics 2013 76-87

Article

Magnetosonic waves in the crust of a neutron star

D. M. Sedrakian, A. S. Harutyunyan, M. V. Hayrapetyan

Astrophysics 2013 229-245

Conference

Magnetosonic waves in the crust of a neutron star

D. M. Sedrakian, A. S. Harutyunyan, M. V. Hayrapetyan

2013 012017

https://indico.cern.ch/event/215145/