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## 🌐 Language skills

Հայերեն Русский

## 📖 Publications

*Article*

### **Numerical Modeling of Thermodynamic Parameters for Hot Neutron Star Matter in Neutrino-Trapped Regime**

G.B. Alaverdyan, G.S. Hajyan, A.G. Alaverdyan

Physics of Particles and Nuclei 2025 1318-1322

*Article*

### **Electromagnetic Properties of Stellar Matter. I. Dielectric Permeability of a Hot Rarefied Plasma with Abundant Production of Electron-Positron Pairs [ЭЛЕКТРОМАГНИТНЫЕ СВОЙСТВА ЗВЕЗДНОГО ВЕЩЕСТВА. I. ДИЭЛЕКТРИЧЕСКАЯ ПРОНИЦАЕМОСТЬ ГОРЯЧЕЙ РАЗРЕЖЕННОЙ ПЛАЗ**

G. S. Hajyan, A. S. Harutyunyan

Астрофизика (Astrophysics) 2024 178 - 191

*Article*

### **EFFECT OF NEUTRINO OSCILLATIONS ON THE THERMODYNAMIC PROPERTIES OF HOT QUARK MATTER**

G. B. Alaverdyan, G. S. Hajyan, A.G. Alaverdyan

Astrophysics 2023 127-139

*Article*

### **Properties of Hot Quark Matter with Neutrino Confinement in the NJL Model**

G.B. Alaverdyan, G.S. Hajyan

Astrophysics 2022 126-136

*Article*

### **Reduction of the Mass of the Proto-Quark Star during Cooling**

Gevorg Hajyan

Particles 2021 37-44

*Article*

### **Hot Quark Matter with Neutrino Confinement in Terms of the Local Nambu - Jona-Lasinio SU(3) Model**

G.B.Alaverdyan, G.S.Hajyan

Astrophysics 2021 370-387

Article

**Характеристики горячего кваркового вещества при удержании нейтрино**

Г. С. Аджян

Астрофизика (Astrophysics) 2020 149-157

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Article

**Уравнение состояния горячего кваркового вещества при удержании нейтрино**

Г. С. Аджян

Астрофизика (Astrophysics) 2018 585-598

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Article

**EG 50 белый или странный карлик?**

Аджян Г.С., Вартанян Ю. Л.

Астрофизика (Astrophysics) 2017 605-615

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Conference

**Mass-radius relation of white and strange stars**

VARTANYAN Yury, HAJYAN Gevorg, GRIGORYAN Alexander, ALAVERDYAN Ani, SHAHINYAN Hasmik

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Conference

**Strange quark matter in compact stars**

Yu.L.Vartanyan, G.S.Hajyan, G.B.Alaverdyan, A.K.Grigoryan, A.R.Harutyunyan, A.G.Alaverdyan,

H.A.Shahinyan

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Conference

**Hot Quark Matter at Neutrino Confinement in the Framework of the local SU(3) Nambu - Jona-Lasinio Model**

Grigor Alaverdyan, Gevorg Hajyan

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Conference

**Neutrino oscillations effects on the thermodynamic properties of hot electrically neutral quark matter in beta-equilibrium**

Grigor Alaverdyan, Gevorg Hajyan

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Conference

**Numerical Modeling of Thermodynamic Parameters for Hot Neutron Star Matter in Neutrino-Trapped Regime**

Grigor Alaverdyan, Gevorg Hajyan, Ani Alaverdyan

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Conference

**Electromagnetic Properties of Stellar Matter. The Transverse Dielectric Permeability of the Protoquark Star Matter.**

Gevorg Hajyan, A. Harutyunyan

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