

# Gevorg Suren Hajyan

## Institute of Physics

Chair of Applied Electrodynamics and Modeling

Professor

☎ 623193

✉ ghajyan@ysu.am

## 🌐 Language skills

Հայերեն Русский

## 📖 Publications

*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

*Article*

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

Г. С. Аджян

Астрофизика (Astrophysics) 2018 585-598

*Article*

### **EG 50 белый или странный карлик?**

Аджян Г.С., Вартамян Ю. Л.

*Conference*

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

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

---

*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

---

*Conference*

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

Grigor Alaverdyan, Gevorg Hajyan

---

*Conference*

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

Grigor Alaverdyan, Gevorg Hajyan

---

*Conference*

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

Grigor Alaverdyan, Gevorg Hajyan, Ani Alaverdyan

---