

## Arş. Gör. AYDIN TAVLAYAN

### Kişisel Bilgiler

E-posta: aydint@metu.edu.tr

Web: <https://avesis.metu.edu.tr/aydint>

### Uluslararası Araştırmacı ID'leri

ScholarID: qd7K5C4AAAAJ

ORCID: 0000-0003-3119-7929

Publons / Web Of Science ResearcherID: ABA-3660-2020

ScopusID: 57216784699

Yoksis Araştırmacı ID: 303041

### Araştırma Alanları

Fizik, Genel relativite ve gravitasyon, Temel Bilimler

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Refined thermodynamics of black holes with proper conserved charges**  
TAVLAYAN A., TEKİN B.  
PHYSICAL REVIEW D, sa.8, 2024 (SCI-Expanded)
- II. **Instability of a Kerr-type naked singularity due to light and matter accretion and its shadow**  
TAVLAYAN A., TEKİN B.  
Classical and Quantum Gravity, cilt.41, sa.6, 2024 (SCI-Expanded)
- III. **Partition function of a volume of space in a higher curvature theory**  
TAVLAYAN A., TEKİN B.  
Physical Review D, cilt.108, sa.4, 2023 (SCI-Expanded)
- IV. **Light rings around five dimensional stationary black holes and naked singularities**  
Tavlayan A., Tekin B.  
PHYSICAL REVIEW D, cilt.107, sa.2, 2023 (SCI-Expanded)
- V. **Radii of spherical timelike orbits around Kerr black holes**  
TAVLAYAN A., TEKİN B.  
PHYSICAL REVIEW D, cilt.104, sa.12, 2021 (SCI-Expanded)
- VI. **Exact formulas for spherical photon orbits around Kerr black holes**  
Tavlayan A., Tekin B.  
PHYSICAL REVIEW D, cilt.102, 2020 (SCI-Expanded)
- VII. **Event horizon detecting invariants**  
Tavlayan A., Tekin B.  
PHYSICAL REVIEW D, cilt.101, 2020 (SCI-Expanded)

### Metrikler

Yayın: 7

Atf (WoS): 29

Atif (Scopus): 26

H-índeks (WoS): 3

H-índeks (Scopus): 3