

**SM&FT 2019 - The XVIII Workshop on Statistical Mechanics and  
nonperturbative Field Theory**

Contribution ID: 19

Type: **not specified**

## **Abelian axial anomaly in 3D semimetals**

*Wednesday, 11 December 2019 12:30 (15 minutes)*

After a general introduction on  
Dirac and (multi-)Weyl semimetals,  
I will discuss the abelian axial anomaly  
in multi-Weyl and triple-point semimetals,  
commenting on its physical consequences.

Reference:

L. Lepori, M. Burrello, and E. Guadagnini, "Axial anomaly in  
multi-Weyl and triple-point semimetals", J. High En. Phys. (2018).

**Primary author:** LEPORI, Luca (IIT Genova)

**Presenter:** LEPORI, Luca (IIT Genova)

**Session Classification:** Session 2