

Axions, Weyl and Beyond



Contribution ID: 1

Type: **not specified**

Recent progress in Weyl and topological semimetals

Thursday 31 August 2023 14:00 (45 minutes)

Wey semimetal is an interesting class of topological materials that harbors chiral fermions as the low energy excitations. In this talk, I will give a comprehensive review of the Weyl semimetallic phase. Starting from exotic transport and experimental phenomena of such matter, I will discuss the dimensional hierarchy and the relation with the topological insulator phase in higher-dimensions. Finally, I will introduce the recent progress in the fields of topological semimetals that attempt to generalize the concept of Weyl fermions.

Presenter: Prof. PARK, Moon Jip (Hanyang University)