



FEZA GÜRSEY  
CENTER FOR  
PHYSICS AND  
MATHEMATICS

*Dual  
Perspectives  
Meetings*

## Where Does Simple Supergravity Theory Stand Today?

Tekin Dereli  
Maltepe University and Koç University

### Abstract:

$N=1$  supergravity theory in  $d=4$  dimensions is the simplest locally supersymmetric extension of Einstein's general theory of relativity. A short overview of its many remarkable properties will be given. In particular I will introduce the notion of complex quaternionic exterior differential forms and discuss their relevance for simple supergravity.

### Date:

Friday, March 10, 2023

### Program:

Morning session 10:30-12:00, Afternoon session 13:30-15:00

### Location:

Boğaziçi University, Kandilli Campus, Üsküdar-İstanbul