FEZA GÜRSEY
CENTER FOR
PHYSICS AND
MATHEMATICS

Dual Perspectives Meetings

On massive gravity, bi-gravity and other modified gravity theories in D=4

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Abstract:
In this lecture I would like to discuss basic features of some of the modified theories of gravity in four-dimensional space-time which have been proposed as attempts to resolve fundamental issues such as the origin of dark energy and dark matter in our Universe, and the problem of the construction of a consistent quantum gravity. As examples I will consider massive gravity, bi-gravity, Lovelock, Horndeski and the most recent so-called D=4 Einstein-Gauss-Bonnet gravity.

Date: Friday, November 08, 2024

Program: First Lecture: 10:00-11:00, Second Lecture: 11:15-12:15

Location: Boğaziçi University, South Campus, Classroom: TB 130