Ruđer Bošković Institute
Division of Theoretical Physics
Twinning Lectures

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THEORY AND PHENOMENOLOGY OF MASSIVE NEUTRINOS AND CHARGED LEPTON FLAVOR VIOLATION

2017.

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LECTURE 1
Thursday, May 4, 10 a.m.

LECTURE 2
Friday, May 5, 10 a.m.

Venue: Lecture hall, Ivan Supek Wing

ABSTRACT:

These lectures are focused on various theoretical and phenomenological aspects of neutrino physics and charged lepton flavor violation. The first lecture will provide an introduction to neutrino physics and the need to call for New Physics scenarios as well as a discussion of some well-motivated neutrino mass generation mechanisms and their potential testability. The second lecture will be devoted to charged lepton flavor violating observables (in high and low energy experiments) and their roles in discriminating among the several New Physics scenarios. As an example, we address the minimal extension of the Standard Model with sterile fermions.

http://rbi-t-winning.irb.hr/

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