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ICTP - East African Institute
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SEMINAR

The East African Institute for Fundamental Research
(EAI FR)
invites you to a seminar

Title: Time Crystals

by
Prof. Rosario FAZIO,
International Center for Theoretical Physics (ICTP)
Trieste, Italy



Date: Wednesday, 20 February, 2019

Time: 16:00 – 17:00 HRS (Tea and coffee: 15:45 HRS)

Venue: EAI FR, top floor
(Former “KIST2” Building of the Univ. of Rwanda in Nyarugenge)

This is a seminar that can be of interest to engineers, physicists and mathematicians. The general public is invited.

Abstract:

Landau's idea of classifying phases of matter in terms of symmetry breaking is a cornerstone of modern physics. In his pioneering work Wilczek argued that an autonomous system can break time translation symmetry, thus realizing what he called “time crystals”. Their existence has been confirmed very recently in a number of experiments. I will review the field focusing in particular on the so called Floquet time-crystals arising in many-body systems that are periodically driven.

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