

Rencontres Jeunes Physicien.ne.s 2024

vendredi 19 avril 2024 - vendredi 19 avril 2024

La Doua



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Introduction speech

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How to beat the 2nd law (at least 90% of the time)

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Active straining of Balkans : insights from spatial geodesy (In-SAR, GNSS)

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Nanothermics: ultrafast heat exchange at solid and liquid interfaces

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Probing the Universe with galaxy clusters : the special case of exotic strong lensing

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Active Spinning Matter

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Optical Amplifier for Space Application

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The aim of the thesis work is to investigate the behavior of rare-earth-based optical amplifiers in a harsh environment from the perspective of ionizing radiation, such as that which characterizes space applications. To achieve this, an experimental/simulative approach is used to gain a comprehensive understanding of photonic systems.

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Optimal control of the navigation of brownian particles in disordered environments

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Exploring neutrino interactions with DUNE experiment

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Box modelling of the Bistable Dynamics of Ocean Circulation under Antarctic Ice Shelves

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Slowing-down of the relaxation time during subcritical rupture in paper and filled elastomers

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Observing Earth-like exoplanets with future giants telescopes

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Comment les virus entrent-ils dans le noyau de nos cellules ? Propriétés géométriques et mécaniques de l'interaction d'un virus avec un pore biologique

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Sheared and compressed granular media, an analogue experiment to study earthquakes dynamic

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Can anisotropic electrical conductivity lead to dynamo action in spiral-arm galaxies?

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Design of a phantom for the development of a smart textile device for lymphedema monitoring

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Online Radiation Induced Attenuation measurements of Radiophotoluminescence Dosimeters irradiated with X-rays: Dose rate dependence at high doses

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Physics searches at CMS

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By David Amram et al

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Fabien Vialla's artistic debut