ID de Contribution: **12** Type: **Invited presentation**

Ion Collisions with DNA Origami Nanostructures

mardi 26 septembre 2023 17:35 (25 minutes)

DNA origami nanostructures represent a unique substrate for in singulo experiments with biomolecules, nanotechnology and medicine. In our recent experiments at GANIL, we used these nanostructures as nano-dosimeters to observe damage to DNA. Patterning of the surface deposited DNA origami as well as damage to nanostructures placed in bulk water will be described with focus on physico-chemical effects near the track, which could not be easily studied using other methods.

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Classification de thématique: Interdisciplinary research