

Assemblée Générale 2023 du GdR Mi2B



ID de Contribution: 45

Type: Non spécifié

In situ study of proton-induced DNA fragmentation using fluorescence microscopy and single particle tracking.

vendredi 6 octobre 2023 10:12 (18 minutes)

I study by an in situ approach the dynamic and statistical properties of the radiation-induced fragmentation of T4 bacteriophage virus DNA molecules in solution. In particular, I couples machine learning and python algorithm of particle tracking in order to determine the fragmentation probabilities of DNA molecules when they are submitted to ionizing radiation.

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Classification de Session: Pôle Effets des Irradiations sur le Vivant