



Contribution ID: 25

Type: **not specified**

A Monte Carlo based investigation of the FLASH effect by examining inter-track interactions in radiobiological simulations performed with TOPAS-nBio

Tuesday, 25 October 2022 18:22 (12 minutes)

Topic

Radiobiology including Geant4-DNA

Primary author: DERKSEN, Larissa (Institute of Medical Physics and Radiation Protection, University of Applied Sciences, Giessen, Germany)

Co-authors: FLATTEN, Veronika (Department of Radiotherapy and Radiooncology, University Medical Center Giessen-Marburg, Marburg, Germany); ENGENHART-CABILLIC, Rita (Department of Radiotherapy and Radiooncology, University Medical Center Giessen-Marburg, Marburg, Germany); ZINK, Klemens (Marburg Ion-Beam Therapy Center, Marburg, Germany); BAUMANN, Kilian-Simon (Department of Radiotherapy and Radiooncology, University Medical Center Giessen-Marburg, Marburg, Germany)

Presenter: DERKSEN, Larissa (Institute of Medical Physics and Radiation Protection, University of Applied Sciences, Giessen, Germany)

Session Classification: Geant4 for Photons and Electrons Radiotherapy