

Friday, 02-12-2022

14:20 - 15:20

E-Poster Station 2

FLASH in Pre-Clinical and Clinical Settings: TPS and Proton - (E-Poster Presentations)

- 14:20 - 14:25 **EPP081 - A RESEARCH TREATMENT PLANNING SYSTEM FOR CONFORMAL FLASH WITH 3D RANGE MODULATORS**
Sylvain Deffet, (Belgium)
- 14:25 - 14:30 **EPP083 - INVESTIGATING THE POSITIONING OF BEAM LINE OBJECTS FOR CONFORMAL FLASH PROTON THERAPY**
Rasmus Nilsson, (Sweden)
- 14:30 - 14:35 **EPP084 - OPTIMIZING FLASH EFFECTIVE DOSE VIA SIMULTANEOUS DOSE AND DOSE RATE OPTIMIZATION WITH FLASH DOSE MODIFYING FACTOR (SDDRO-DMF)**
Hao Gao, (United States of America)
- 14:35 - 14:40 **EPP085 - EVALUATION OF SPOT SIZE TOLERANCE NEEDS FOR ULTRA-HIGH DOSE RATE PENCIL BEAM SCANNING PROTON THERAPY**
Lisa Fittkow, (Germany)
- 14:40 - 14:45 **EPP086 - PROTON MULTI-BEAM FLASH RADIOTHERAPY: COMBINING FLASH AND IMPT**
Joana Marques Leitao, (Germany)
- 14:45 - 14:50 **EPP087 - THE MEVION FLASH RESEARCH KIT AND THE MERGED FIELD DELIVERY TECHNIQUE FACILITATES FLASH RESEARCH ON CLINICAL CYCLOTRONS AND PROVIDES A SIMPLE PATH TOWARDS CLINICAL TRANSLATION**
Daniel Owen, (United States of America)
- 14:50 - 14:55 **EPP088 - BRAGG PEAK FLASH PROTON THERAPY ACHIEVES ORGAN SPARING AND ULTRA-HIGH DOSE RATE DELIVERY: PROOF-OF PRINCIPLE IN HEAD AND NECK CANCER**
Michael Pennock, (United States of America)



- 14:55 - 15:00 **EPP089 - A GENERIC EVALUATION OF FLASH RADIOTHERAPY WITH PHOTONS AND PROTONS USING A DISCRETE ORDINATES BOLTZMANN SOLVER AND BIOLOGICAL MODEL**
James Bedford, (United Kingdom)
- 15:00 - 15:05 **EPP090 - COMPACT LINEAR ACCELERATOR BASED X-RAY FLASH RADIOTHERAPY SYSTEM**
Sergey Kutsaev, (United States of America)
- 15:05 - 15:10 **EPP092 - FEASIBILITY AND CONSTRAINTS OF CONFORMAL FLASH PROTON THERAPY**
Nathalie Lövgren, (United Kingdom)