

Annual Meeting of the Swiss Physical Society 2024



Contribution ID: 293

Type: **Talk**

【203】 Proton therapy developments at PSI

Wednesday 11 September 2024 18:00 (30 minutes)

Proton therapy is already becoming a mature approach to treating cancers using radiation, whereby their physical characteristics (the Bragg peak) allow for much improved sculpting of the delivered radiation dose to the tumour than conventional radiotherapy using high energy photons. Nevertheless, many technical improvements can still be made, many of which are being pursued at CPT. Main current areas of research are 1) adaptive therapy, 2) FLASH irradiations, 3) On-line imaging of PET activation and 4) biological outcomes analysis, all of which will be explained in more detail during this presentation.

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Session Classification: Applied Physics

Track Classification: Applied Physics; Plasma Physics