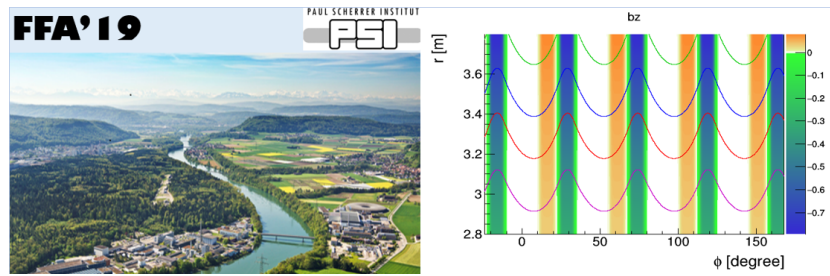


International Workshop on Fixed Field alternating gradient Accelerators (FFA'19)



Contribution ID: 28

Type: **not specified**

Design of LhARA facility

Wednesday 20 November 2019 16:00 (45 minutes)

LhARA (Laser hybrid Accelerator for Radiobiological Applications) aims to provide multi-ion beams for in-vitro and in-vivo radiobiological studies to inform the next generation radiotherapy. As the source of ion beams a thin target irradiated by high power laser will be used followed by a capture and transport system based on Gabor Lenses. In the next stage of the project FFA accelerator is planned to allow further acceleration of the ion beams. The design of the beam transport and the FFA ring is presented. The options for the FFA ring are also discussed.

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Session Classification: Future / New Designs and Applications