PET added Hardontherapy

KyungDon Choi

Giusseppe Magro, Andrea Mairani

Manchester, 7 September 2016
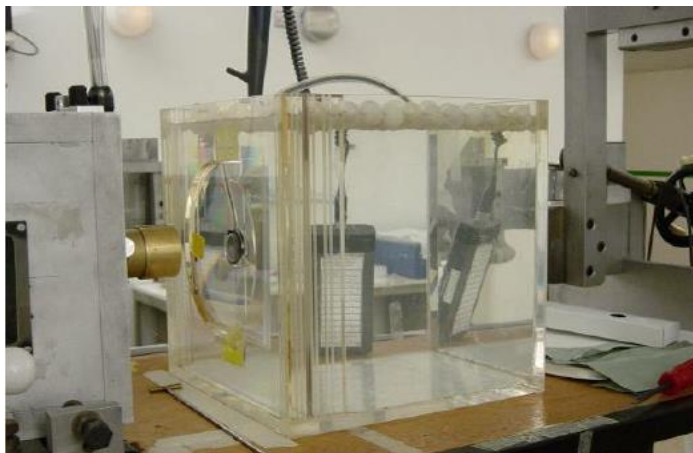
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Carbon11 simulation tool for project

Carbon 11 Treatment requirements
- Carbon11 Treatment Planning System which does not exist yet
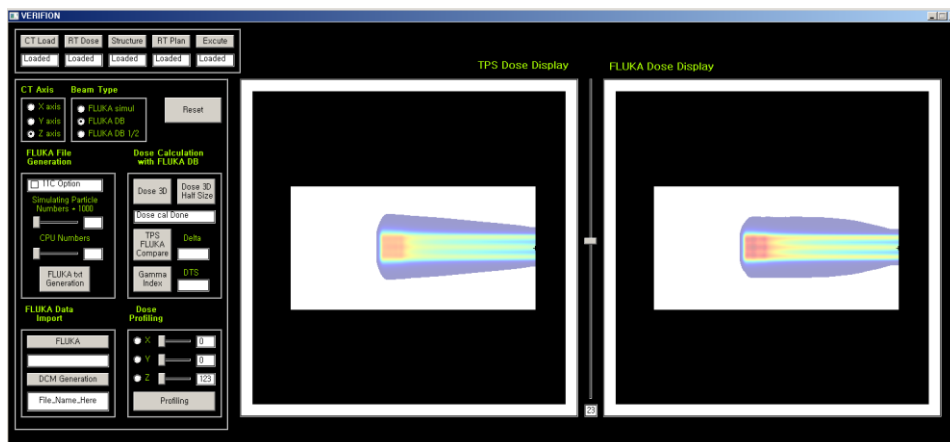- MonteCarlo Simulation (FLUKA)

Proton Hybrid TPS with database from FLUKA
- Proton : Very well known referenced source.
- Carbon11 : After verification of Proton and 12C, 11C calculation will be done
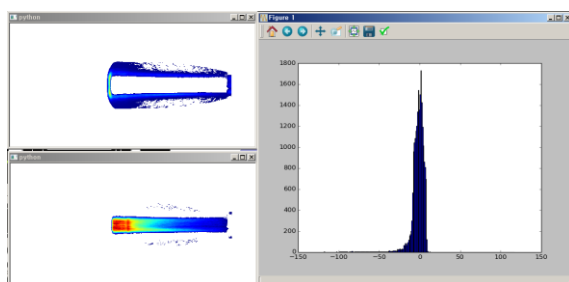- Medical Physics field : Proton TPS verification help
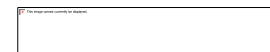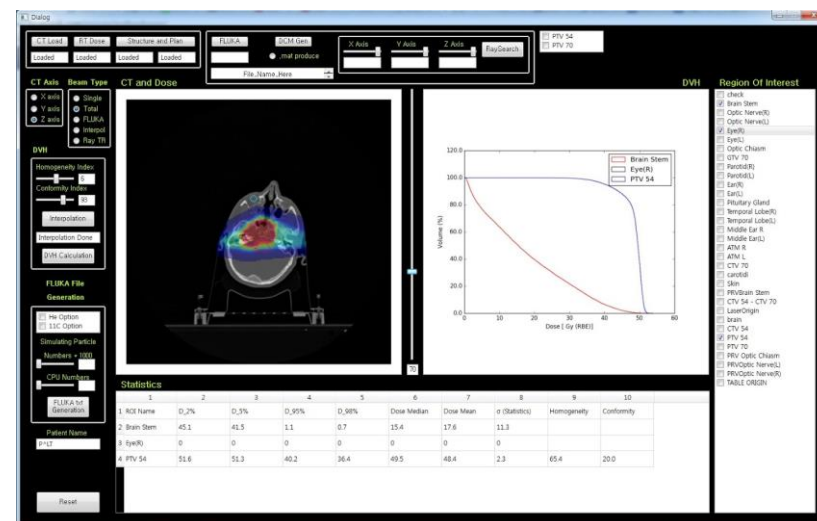
Plan for Future

Present

Future

Verification

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Grazie dell'attenzione

"C'è vero progresso solo quando i vantaggi di una nuova tecnologia diventano per tutti"

H. Ford