



# PET added Hardontherapy

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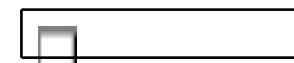
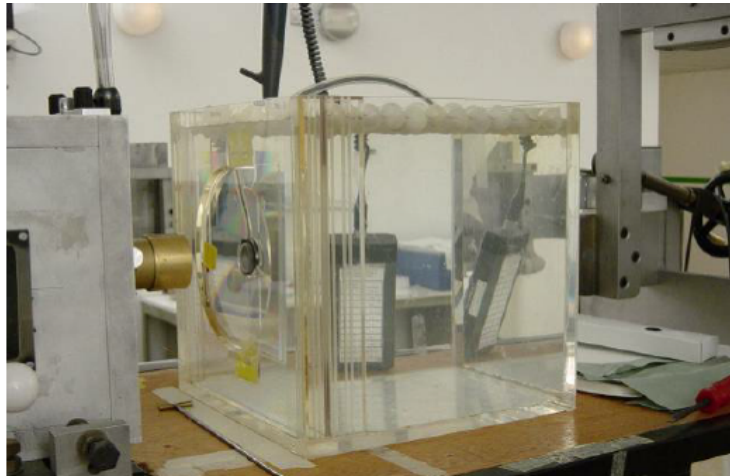
# Carbon11 simulation tool for project

## Carbon 11 Treatment requirements

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

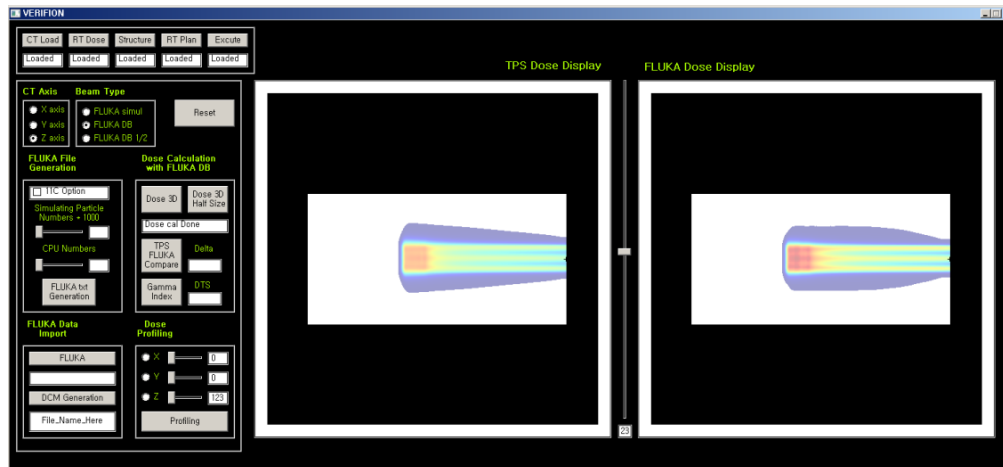
## Proton Hybrid TPS with database from FLUKA

- 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

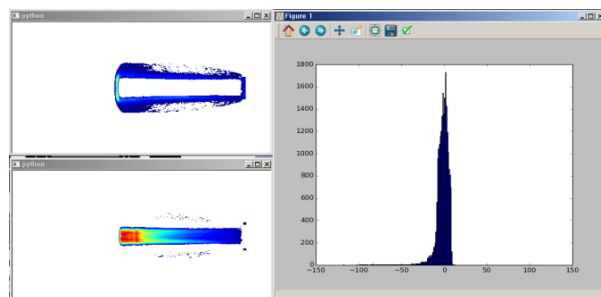


# Plan for Future

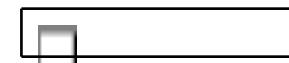
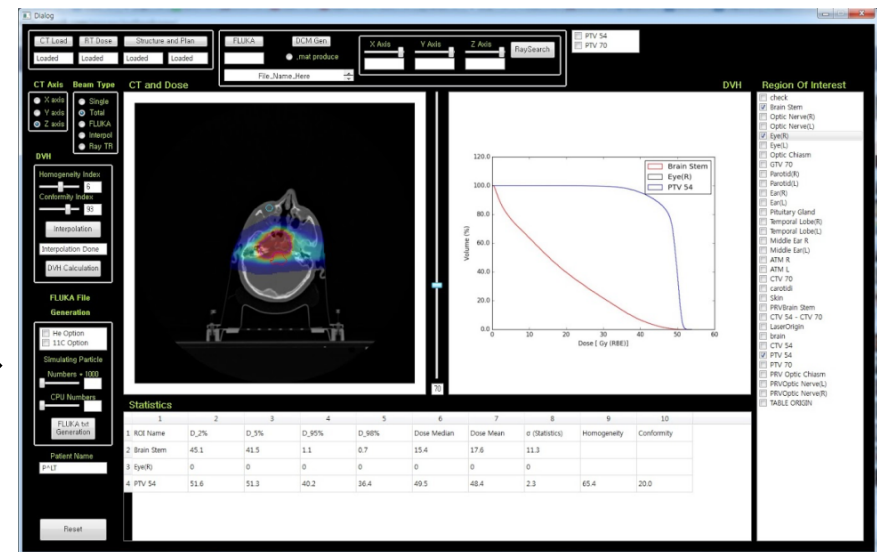
## Present

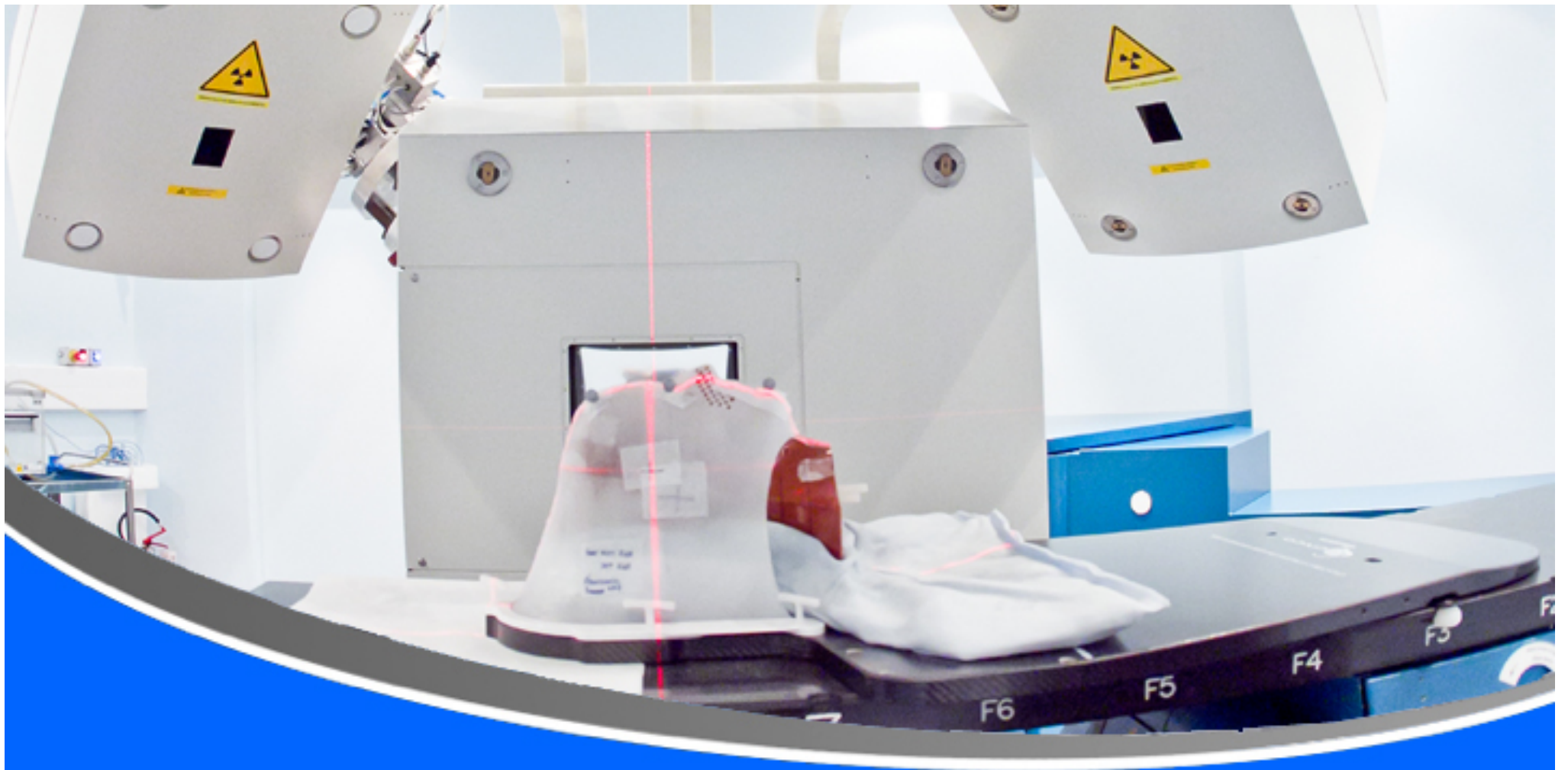


## Verification



## Future





# Grazie dell'attenzione

“C'è vero progresso solo quando i vantaggi di una nuova tecnologia diventano per tutti”  
H. Ford

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