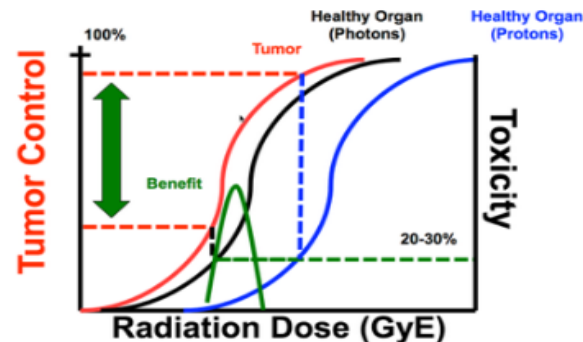
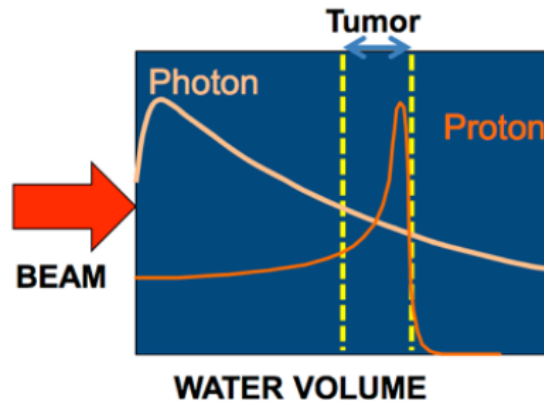


# New opportunities for Proton therapy research in Portugal and beyond

## Why proton therapy?



## Proton therapy in Portugal

2018 – Council of ministers approves the establishment of a **network of cancer treatment and research centers** with particle accelerators.

2019 – The ProtoTera association is created with C2TN, ICNAS, LIP, and IPO to develop proton therapy in Portugal.

2020 – Open calls for the **ProtoTera Ph.D. programme** (<https://prototerapia.lip.pt/>)

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## Research opportunities

**Radiobiology** (radiosensitization with high-Z nanoparticles, low-dose effects in cells);

**FLASH** radiotherapy (biological effects);

**Instrumentation** for imaging (range verification, in-beam imaging) and dosimetry (microdosimetry with scintillating fibres)

↩ ... and other topics.

**Calls are now open for students!**  
**From Oct. 26 to Nov. 30.**