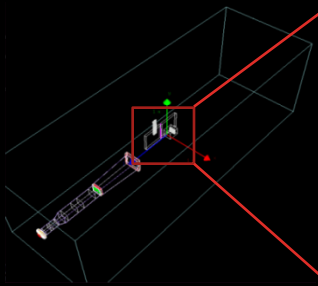
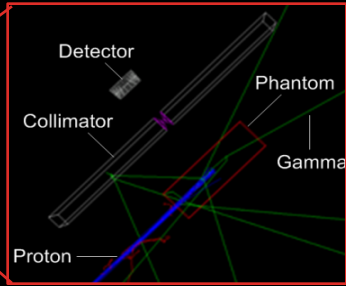


**First Demonstration of a Prompt Gamma Slit-Camera for in vivo Proton Range Verification Based on Semiconductor Detectors**

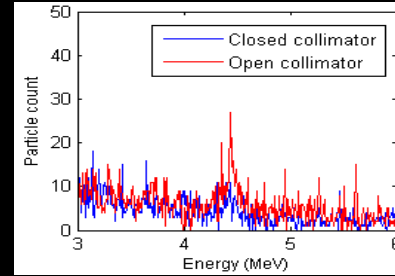
**Proton nozzle with camera set-up**



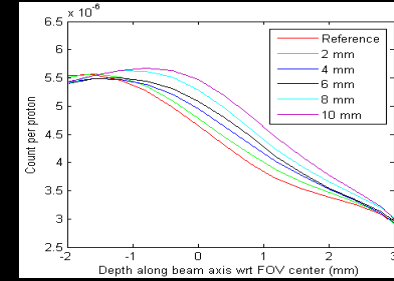
**Camera set-up**



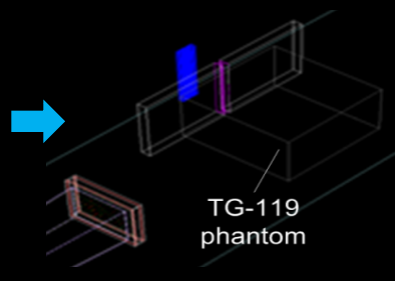
**Detected gamma spectra induced by proton beam**



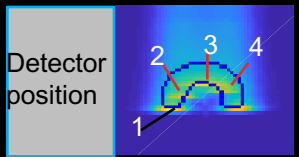
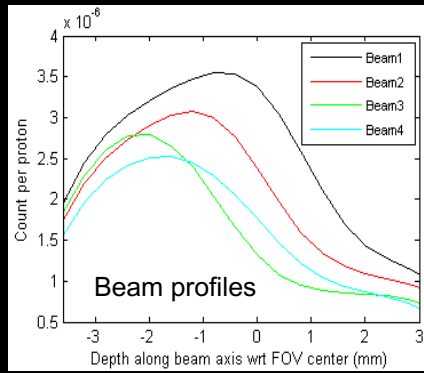
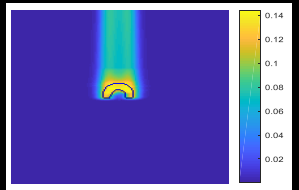
**Proton range shifts measurement in a PMMA phantom**



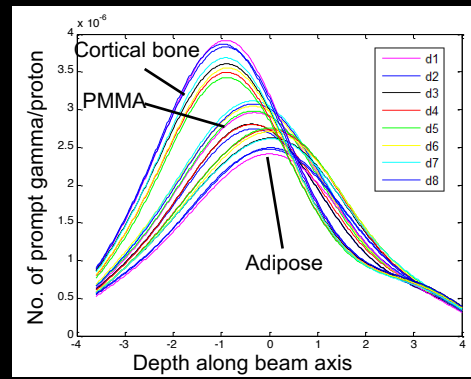
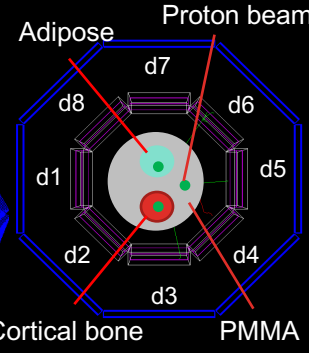
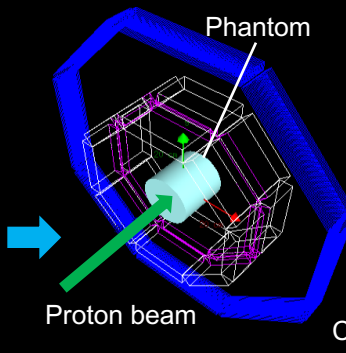
**Distal beam range monitoring in TG-119 phantom (C-Shape)**



**C-Shape dose distribution and distal beams monitoring**



**3D prompt gamma imaging architecture for head & neck and beam profiles measurement**



**8 subsets cameras**

**PMMA phantom for 3D beam profile measurement**