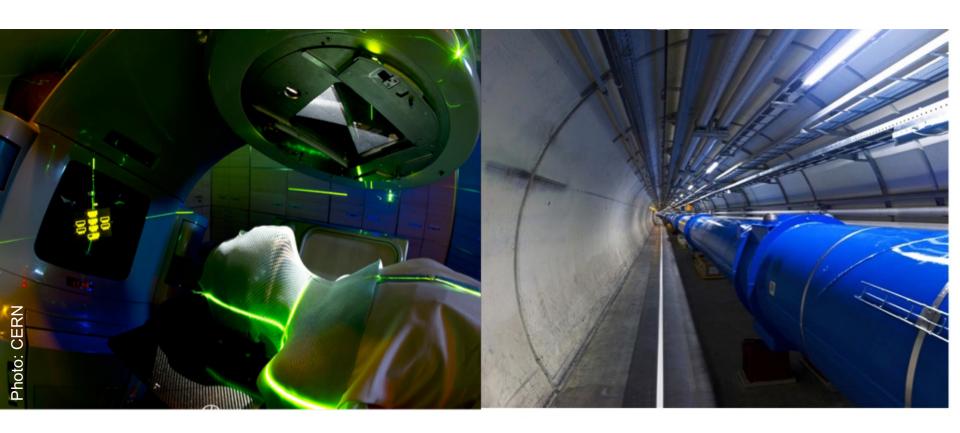
Medical Applications @ CERN



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CERN's mission

Push back the frontiers of knowledge

Develop new technologies

Train scientists and engineers of tomorrow

Unite people from different countries and cultures



KT Mission

Maximize the technological and knowledge return to Society, especially in the Member States

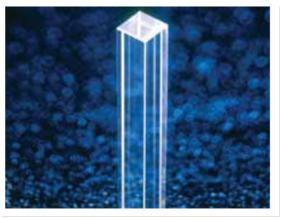
Promote CERN's image as a center of excellence for technology

dissemination and impact!



From physics to...

Medicine and biology





Aerospace

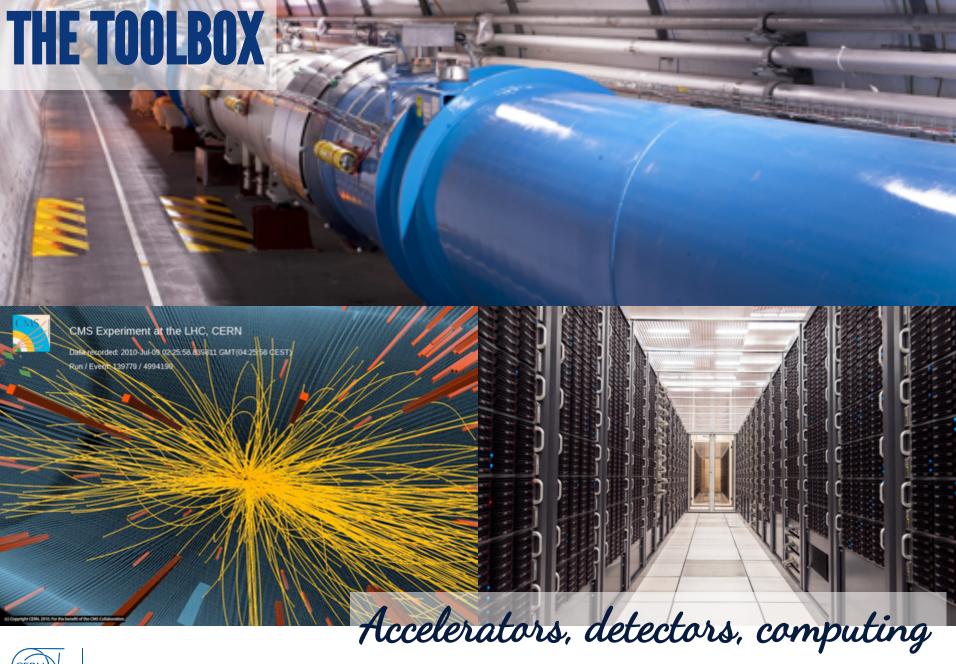
Safety



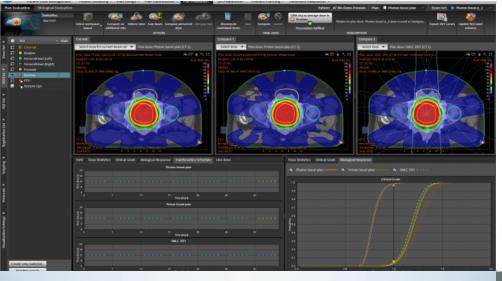


Global communities



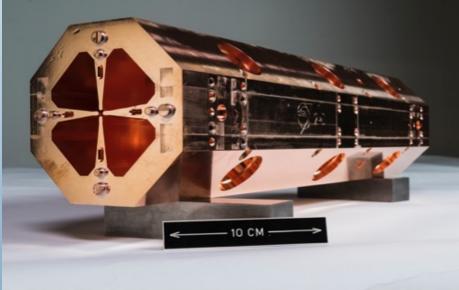














Particle simulation software is used in patient treatment planning systems of a Swedish multinational medtech company





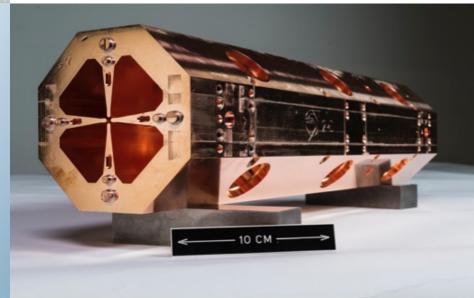




Particle simulation software is used in patient treatment planning systems of a Swedish multinational medtech company

Document management software is used by a major university and a major international organization, as a commercial service provided by a CERN spin-off.







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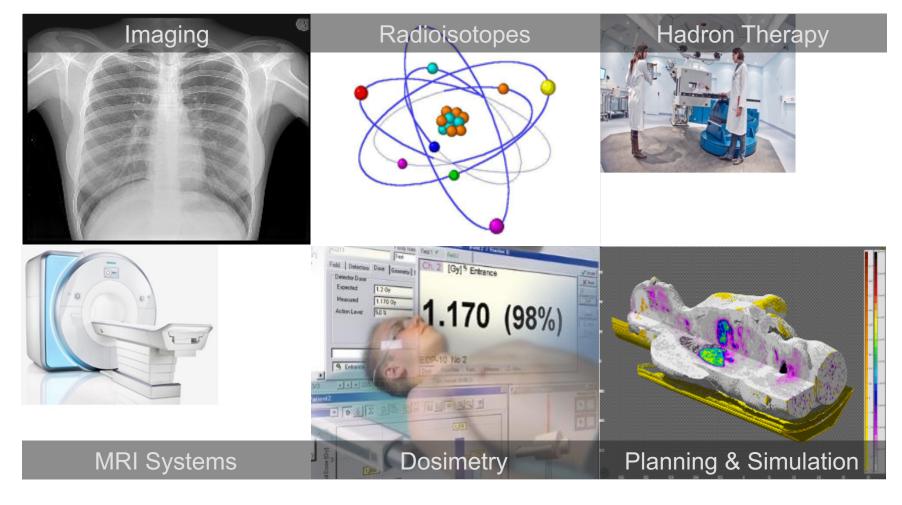
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The «miniature accelerator» is being integrated into a commercial proton therapy system by a CERN spin-off.



Strategic fit between CERN IP and medicine





Medical Applications @ CERN

Identify CERN technologies and know-how with the highest potential for future use in diagnosis and therapy

Select those where CERN has unique competences

Bring these particular technologies and know-how to a readiness level that allows MedTech companies to take them into hospitals and medical research centres



Medical Applications @ CERN

Take into account the limited resources available for non-particle physics activities

Address specific requests from CERN Member States

Carefully consider the legal implications posed by projects involving, for example, clinical trials or sensitive medical data



Thank you for your attention

Are there any questions?



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