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## The new Cyclotron Laboratory in Bern

*Thursday, 10 May 2012 12:00 (20 minutes)*

A new cyclotron laboratory for radioisotope production and multi-disciplinary research in Bern has been constructed and will be fully operational in 2012. A commercial IBA 18 MeV proton cyclotron, equipped with a specifically conceived 6 m long external beam line, ending in a separate bunker, will provide beams for routine 18-F and other PET radioisotope production as well as for novel detector, radiation biophysics, radioprotection, radiochemistry and radiopharmacy developments. The accelerator is embedded into a complex building which hosts two physics laboratories, four Good Manufacturing Practice (GMP) radiochemistry and radiopharmacy laboratories, offices and two floors for patient treatment and clinical research activities. This project is the result of a successful collaboration among the University Hospital in Bern (Inselspital), the University of Bern and private investors, aiming at the constitution of a combined medical and research center able to provide the most cutting-edge technologies in medical imaging and cancer radiation therapy. In this context, the establishment of a proton therapy center on the campus of the Inselspital is in the phase of advanced study.

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Talk

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