



Contribution ID: 10

Type: **Oral presentation**

Status of the HZB cyclotron

Thursday, 21 September 2017 11:25 (25 minutes)

For nearly 20 years, eye tumours are treated in collaboration with the Charité - Universitätsmedizin Berlin. In January 2017 we celebrated the 3000th patient.

Parallel to the ongoing tumour therapy, beam time was allocated to experiments. These ranged from radiation hardness testing and nuclear physics over dosimetry to accelerator development. Single pulses of Protons and Helium with different energies have been delivered with repetition rates up to 2 MHz.

In order to improve the beam diagnosis between the 2 MV injector Tandetron and the cyclotron a harp has been installed. The first measurements yielded some interesting results, which are not yet fully understood.

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Session Classification: Session 2