



Contribution ID: 143

Type: **invited talk**

Cyclotron Centre Bronowice IFJ PAN - physics for science and medicine

Monday, 24 June 2019 10:55 (25 minutes)

Cyclotron Centre Bronowice (in Polish - Centrum Cyklotronowe Bronowice, CCB) is a part of the Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences in Krakow (IFJ PAN). The first proposal for the CCB project was submitted in September 2006. In years 2010- 2015 the new facility was constructed.

In CCB the dedicated to medicine Proteus C-235 cyclotron is used to produce proton beams in energy range from 70 to 230 MeV. The main activity of CCB is proton radiotherapy (in cooperation with clinical partners). Cyclotron Centre Bronowice is also one of the few proton therapy centres with experimental room dedicated for nuclear physic programme.

The following activities are being conducted in CCB: medical physics, dosimetry, microdosimetry, radiobiology and materials engineering, development of clinical and scientific infrastructure intended for a tumour treatment and experiments in nuclear physics.

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Session Classification: Monday