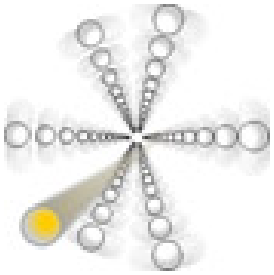

Contribution ID: **21** Type: **not specified**

Theoretical and experimental study of beam focusing with the help of bent single crystals.

Tuesday, 25 September 2012 12:20 (15 minutes)

The mathematical description of beam focusing with the help of bent single crystals is proposed. The description allows us to calculate the parameters of beam focusing at the arbitrary shape of cut of crystal edge and for crystals with the variable curvature.
The results of recent (April, 2012) experiment on the external proton beam line of IHEP accelerator are presented.

Primary author: Dr MAISHEEV, Vladimir (IHEP, Protvino, Russia)

Co-authors: Mr AFONIN, Alexander (IHEP); Dr YANOVICH, Andrey (IHEP); Dr DURUM, Arthur (IHEP); Dr BRITVICH, Gennady (IHEP); Dr YAZYNIN, Igor (IHEP); Dr CHIRKOV, Petr (IHEP); Prof. CHESNOKOV, Yury (IHEP)

Presenter: Dr MAISHEEV, Vladimir (IHEP, Protvino, Russia)

Session Classification: S3.2 Channeling & Crystal Collimation

Track Classification: Channeling & Crystal Collimation