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## **Twenty five years of bent crystal channeling applications for beam splitting, extraction and collimation in the U-70 accelerator of IHEP.**

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The report presents an overview the results of IHEP activity in the field of study and using bent crystals to steer high-energy particle beams obtained during 1987-2012. The hardware installed to study crystal beam splitting, collimation and extraction is described. It has been shown that the crystal deflectors developed are capable of sustaining long-term operation to deliver high-energy extracted beams for fixed-target physics. First results on the extraction 24.1 GeV/nucleon carbon ions are also presented.

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