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## **A Fixed-Target Experiment at the LHC: AFTER @ LHC**

We discuss the possibility of the conception of a multi-purpose fixed-target experiment with the proton or lead ion LHC beams extracted by bent a crystal. This mature extraction technique offers an ideal way to obtain a clean and very collimated high-energy beam, without altering at all the performance of the LHC. As simple as it seems, the multi-TeV LHC beams allow for the most energetic fixed-target experiment ever performed.

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