Contribution ID: **204** Type: **Oral presentation**

The CRYSBEAM Project

Thursday, 27 September 2018 09:00 (30 minutes)

The parasitic non-resonant beam extraction aided with bent crystals is an interesting solution to direct the LHC high energy particles to external targets. This would open new opportunities in the study of hadronic interactions in a kinematic range not easily accessible before.
I will review the status of the ERC funded CRYSBEAM project. The aims of CRYSBEAM were to develop high quality crystals to manipulate the several TeV LHC particles, detectors to monitor an extracted beam based on the Cherenkov effect and an instrumented absorber made of low Z materials to study the hadronic shower evolution as in the Ultra High Energy cosmic ray interaction in the Earth's atmosphere.

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Session Classification: S4.2 Charged Beams Shaping & Diagnostics