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Welcome to the FlukaTeam Twiki Web Page

About us

Carlo Rubbia, Nobel Laureate in Physics in 1984 and former CERN General Director, started in 1993 with the EET group a new activity for developing innovative ideas in the domain of energy production and applications. He proposed, in particular, the Energy Amplifier, an innovative way to extract nuclear energy with the help of accelerator-induced nuclear cascades.

Activities

The BMI section [↗](#) has a very strong background in computational physics, focused on the development of models of particle interaction. The main tasks of the section are:

- to perform beam-machine interaction studies with Fluka concerning all the accelerators presently in operation and under design at CERN, in particular the HL-LHC, and future colliders;
 - to release the Fluka code and support its users;
 - to develop new physics models necessary for the study of present and future projects;
 - to coordinate the Radiation to Electronics work, defining the radiation levels across the CERN accelerator complex and supporting the design and interpretation of characterization tests in various irradiation facilities.
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Available Information

- Fluka tools
 - official Fluka webpage [↗](#)
 - internal notes and reports
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Links

- High Luminosity LHC Project [↗](#)
 - R2E web site [↗](#)
 - Twiki of the nTOF Facility
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Web Utilities

- - advanced search
 - WebTopicList - all topics in alphabetical order
 - WebChanges - recent topic changes in this web
 - WebNotify - subscribe to an e-mail alert sent when topics change
 - WebRss, WebAtom - RSS and ATOM news feeds of topic changes
 - WebStatistics - listing popular topics and top contributors
 - WebPreferences - preferences of this web
-

This topic: FlukaTeam > WebHome

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