

## **FCC-hh: Beam dump concepts & design**

There are two outstanding questions concerning dumping the FCC-hh beam: Can FCC-hh afford, and if yes, handle an asynchronous beam dump? And are there concepts which allow to design absorbers withstanding the FCC beam impact?

An overview of the FCC dump system requirements will be given regarding new challenges with respect to the LHC system. Ideas for the dump insertion layout and the hardware design of kicker, septum and special insertion magnets will be presented. Ideas for sacrificial protection elements and the dump absorber will be shown together with study directions and R&D programs.