

The CERN Accelerator School is organizing a course on

INTENSITY LIMITATIONS IN PARTICLE BEAMS

2 -11 November, 2015

CERN, Geneva, Switzerland

This course will mainly be of interest to staff in accelerator laboratories, university departments and companies manufacturing accelerator equipment.

Many accelerators and storage rings, whether intended for particle physics experiments, synchrotron light sources or industrial applications, require beams of high brightness and highest possible intensities.

A good understanding of possible limitations is required to achieve the desired performance.

The programme of this course will treat the interaction of beams with the surroundings, with other beams and further collective effects. The lectures on the effects and possible mitigations are complemented by tutorials.

