

DISCUSSION 6 : TUESDAY MORNING (11.30HRS - 13.00HRS)

Beam Loss Monitors

1) A very brief review of different beam loss monitors.

Which, how fast, sensitivity, experiences, reliability, ...

2) Where can beam loss monitors help us?

Beside of the information about the intensity and the position of beam losses, what else can beam loss monitors tell us?

BLMs are used for very different kinds of measurements: Tail scans, beam orbit oscillations, ground spectra, tune scans, protection of superconducting magnets, beam lifetime, beam steering, 'dust' detection, dosimetry, beam energy, transversal and longitudinal beam dynamics...

Typically, BLMs are required in case of unwanted beam conditions. However, BLM systems might give a lot of more information.

This discussion session should give a forum for ideas to use the special information from BLM systems to improve and/or understand the behavior of accelerators/storage rings/extraction lines.

Therefore we would be interested to have from different laboratories and projects a short presentation of their use of BLMs and what kind of (beam related) information is extracted.

Further suggestions and/or contributions are welcome and can be communicated to the animators. (Kay.Wittenburg@desy.de)