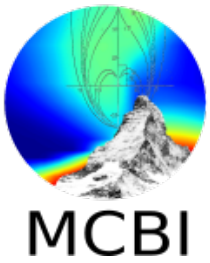

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* Status of negative momentum compaction operation at KARA

Tuesday 24 September 2019 16:10 (10 minutes)

For future synchrotron light sources different acceleration modes are of interest. Therefore various modes are currently being tested at the Karlsruhe Research Accelerator (KARA) including optics for a negative momentum compaction factor. These optics have been calculated and are under commissioning at KARA. Additionally, studies about expected collective effects in this regime are being performed, including the head-tail and microbunching instabilities.
In this contribution we will present the status of operation in the negative momentum compaction regime as well as first results on the studies of expected collective effects.

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