





Piezo operation experience at FLASH

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Abstract: Some of the FLASH superconducting accelerating modules are equipped with fast piezo tuners. From the total number of seven modules three of them are equipped with double piezos and two with single piezos. They are used to compensate of the Lorentz Force Detuning (LFD) and to tune cavities in limited range. In the double piezos modules it is possible to probe the piezo sensor signal in order to investigate the cavity vibrations. The operation experience over last run period is presented, including also some results from piezo tests at Chechia horizontal test stand.







C1ACC6 perfectly tuned

Lorentz force detuning

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