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High Power beam commissioning of CAFe

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The Chinese ADS project now is under key technology R&D, after 25 MeV proton superconducting linac had been assembled and commissioned in Lanzhou by collaboration between IMP and IHEP. This accelerator is updated to a 1/2 charge to mass ratio super-conducting Linac which is called CAFe(Chinese ADS facility experiments in Lanzhou). This facility can provide 25MeV proton beam and 38MeV α beam for ADS key technology research and nuclear physics experiments. This poster will present 2 mA@17MeV CW proton beam commissioning results and lessons learned from CAFe, also the reliability statistics with some α beam commissioning for nuclear physics experiments this year.

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