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Proton Accelerator and related technology development at RRCAT

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RRCAT is developing pulsed proton accelerators for various applications. Several types of ion sources, LEBT, Beam dump etc have been developed. A 3MeV RFQ at 325 MHz is under development. The subsystems for integration with RFQ are also under development. These will form a part of the front end test stand for testing the low energy part of a future high energy pulsed proton accelerator. RRCAT has also developed 1.3 GHz multicell SCRF cavities and presently engaged in developing 650 MHz five cell SCRF cavities. Status of development and recent results are presented.

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