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CW RF systems at Cornell University: status and operational experiens

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Two accelerator facilities at Cornell University use CW superconducting RF systems: Cornell Electron Storage Ring (CESR) and ERL injector prototype. The CESR RF operates at 500 MHz and employs two high power klystrons and four single-cell superconducting cavities. The 1300 MHz ERL injector system has six klystron transmitters and one IOT-based transmitter feeding five superconducting 2-cell cavities and normal conducting deflector and buncher cavities. In this presentation we discuss the status of the two systems and recent operational experience.

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