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LNL Low Energy accelerators

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At the Laboratori Nazionali di Legnaro there are two electrostatic accelerators that made the history of the nuclear physic research and are still in operation giving a good service to the user community. Theese are the CN machine and the AN2000. The CN was the first accelerator installed at the LNL and the maximum terminal voltage was 5.5 MV and it was upgraded to 7MV. It is a vertical machine signle stage with a capability of delinevy 3 MHz pulsed beam. The AN2000 is our material science tool. It is a 2 MV horizontal machine and its most significative capability is the microbeam line. In this contribution we will describe the two installations with all the capabilities of the machines in terms of beam species, beam quality and time structure.

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