

MULTI-DISCIPLINARY PHYSICS WITH MEV ION BEAMS AT THE LABORATORI NAZIONALI DI LEGNARO USING THE CN AND AN2000 ACCELERATORS

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The Laboratori Nazionali di Legnaro is an International Ion Beam Centre with many research programs in fundamental and applied nuclear physics. The laboratory has a pretty large interdisciplinary research equipment inventory developed in the last 6 decades including the two Van de Graaff accelerators dedicated to multi-disciplinary studies with MeV ion beams: the AN2000 (2.2MV) and the CN (6.0MV). The research programs performed with these two accelerators are reviewed and perspectives are presented.