

**Progress Report for the CRYRING Facility,**  
A. KÄLLBERG for the CRYRING Staff, MSL - The CRYRING accelerator facility in Stockholm is producing a wide variety of ions at widely different energies for experiments in atomic and molecular physics; from Xe<sup>+</sup> at 152 eV/u to Pb<sup>54+</sup> at 6.7 MeV/u (1.38 GeV total energy). Many different molecular ions have been stored in the ring. Low energy, highly charged ions, directly from the CRYSIS source are extensively used in the physics programme as well. Experiences from these runs are presented, especially from the handling and measurement of low energy and low intensity beams (down to a few nA). Results from tests with non-sinusoidal accelerating waveforms in the ring and measurements of beam properties with simultaneous electron cooling and RF-voltage at the accelerating structure are discussed. Ongoing and future developments are also presented.