Beam Lifetime in ELETTRA, C.J. BOCCHETTA, A. CARNIEL, M. FERIANIS, A. FABRIS, F. IAZZOURENE, E. KARANTZOULIS, R. NAGAOKA, M. SVANRLIK, L. TOSI, R.P. WALKER, A. WRULICH, Sincrotrone Trieste - The beam lifetime in ELETTRA is dominated by Touschek scattering. In modifying the beam characteristics, i.e. the emittance coupling and the excitation level of longitudinal coupled bunch instabilities, the beam lifetime can be varied over a wide range and adjusted to the need of the users. Relaxed machine conditions correspond to a long lifetime with reduced beam quality, whereas a highly optimised machine goes in parallel with a reduced lifetime. Measurements of the beam lifetime in ELETTRA under various operating conditions were carried out in order to separate the relative contributions to the overall lifetime. A comparison with the theory is performed.