

Fast Inorganic Scintillators for Beam Diagnostics at Extreme High Vacuum, A. KEREK, W. KLAMRA, L.-O. NORLIN, D. NOVAK, S. WESTMAN, KTH; J. LIDBERG, SU; and the CRYRING STAFF, MSL - Some inorganic scintillators have properties that make them useful for beam diagnostics in storage rings requiring extreme high vacuum conditions. In the present work YAP and BaF₂ scintillators were used for beam normalisation purposes in experiments performed at the accelerator and storage ring CRYRING in Stockholm. Details of the experiments as well as advantages and drawbacks with the used technique are presented.