

Measurements of Ground- and Girder-Vibrations at BESSYII, J. FEIKES, BESSY, Berlin - Ground-vibrations at different impact levels of cultural noise at the BESSYII site in Adlershof (Berlin area) were measured together with amplitudes and frequencies of the resulting girder-vibrations. As a result of these measurements the girder design was modified and the girder feet were equipped with low cost damping plates. The horizontal amplitude of the girder motion now stays below 400 nm, while the ground motion can reach 150 nm vertical, due to construction works still going on at the BESSYII site.