

Beam Dynamics Issues in TESLA Damping Ring,
V. SHILTSEV, DESY (Hamburg)/INP (Novosibirsk) -
Design studies of the collective effects in the TESLA
linear collider damping ring are presented. Estimations
are made on single bunch and multibunch instabilities
thresholds, impedance budgets, RF system
requirements. Numerical estimations are performed for
two options of the damping ring with circumferences of
20 and 2.3 km.