Beam Dynamics of Circular Accelerators – Mainly PETRA III.

- Topics

MB, AK, GS, RW
DESY
Hamburg, Dec 16, 2011

HELMHOLTZ
| ASSOCIATION

DESY

Topics

> Optic, Tunes, Chromaticity

> Tune scans, injection eff. (0.3 …0.7), horz. emittance

> Eclouds, Filling Patterns, Bonus-Lines

> Coupling, Emittance

> Heating of the bellow in the new octant

> RF-Systems, HOMs, vacuum events

> Impedance in vac undulator

> Vertical bump, Flash II

> Impulse acceptance, sextupole settings

> Nonlinear optics, frequency maps

> 40 bunches, extra lines in the tune spectrum

Topics (cont.)

> Tune bump in the east

> MATLAB tools for studies

> …