Kyma Analysis Report

Name : 1991d Date : 8. maj 2020 Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analvsed : Bz243,Bx243,Izmes51,Ixmes51

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 1 Peak Field Bx: 0.00867 T RMS Phase Error : 2.82 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 9.8 % Fund. En. (B2E) : 1915.0 eV = 0.6 nm

Peak Field Bz: 0.69578 T Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.3 % Peaks used : 102

e-beam energy : 3 GeV Bx Taper : -1.793 G/m Bz Taper : -1.410 G/m

Krms : 1.011

V Dipole : -14.5 G cm Iz(coil) : -14.8 G cm Pred. C.C. currents

V Quadrupole : 49.0 G Iz(BzC): -14.8 Gcm Iz(Bz) : 43.7 G cm I1 : 0.0956 A

V Sextupole : -24.1 G/cm Ix(coil) : 12.5 G cm I2 : -1.3623 A

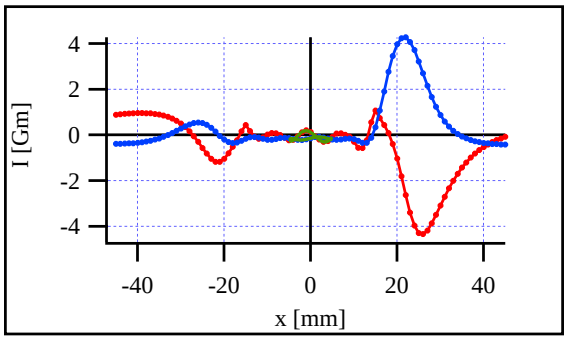
Ix(BxC) : 12.5 Gcm Ix(Bx) : 110.6 G cm

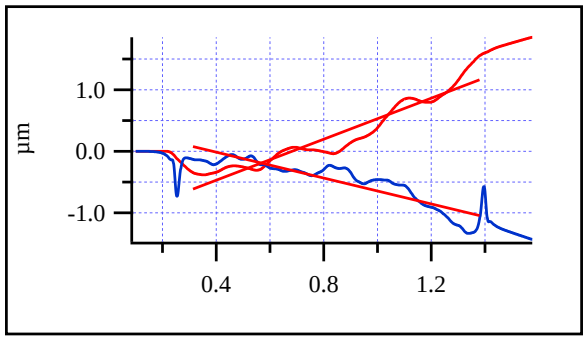
H Dipole : 11.3 G cm IIx(sBx) : 0.0923 G m^2 I3 : 0.3700 A

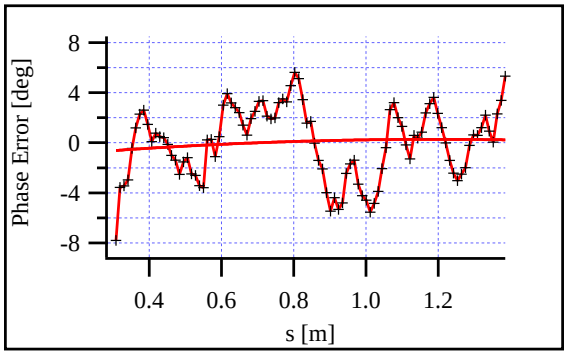
H Quadrupole : -122.8 G IIz(sBz): -0.0325 G m^2 I4 : -0.5713 A

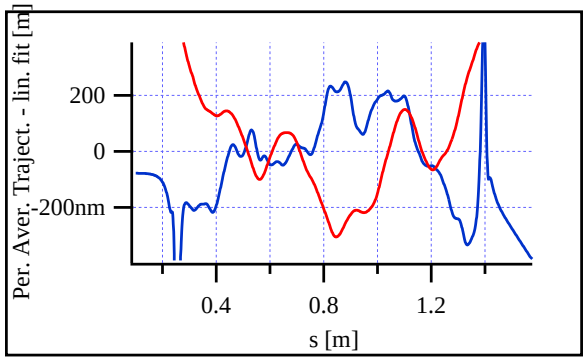
H Sextupole : -437.6 G/cm BzTrj RMS dev. : 0.2 um

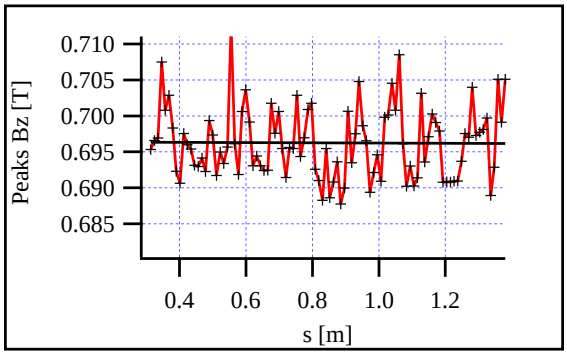
BxTrj RMS dev. : 0.2 um

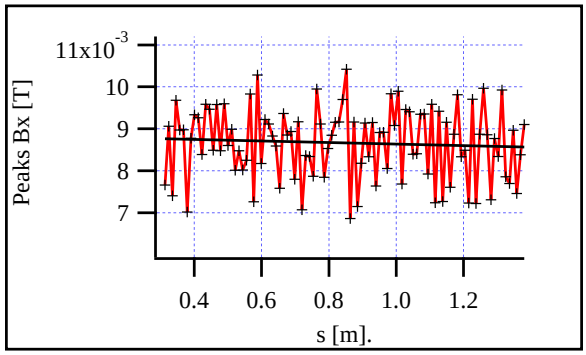












Kyma Srl
S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste, Italy - VAT no.: IT-01131640326
Voice: +39.040.375.8796 – Fax: +39.040.375.8029 – E-mail: info@kyma-undulators.eu – web: www.kyma-undulators.eu