Kyma Analysis Report

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

Filename : 1991d-TPF-UFCM_20200508

Waves analvsed : Bz413,Bx413,Izmes53,Ixmes53

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : 1 Peak Field Bx: 0.00358 T RMS Phase Error : 3.95 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 56.7 % Fund. En. (B2E) : 2184.1 eV = 0.6 nm

Peak Field Bz: 0.60315 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 : 13.484 G/m Bz Taper : 3.990 G/m

Krms : 0.876

V Dipole : -13.1 G cm Iz(coil) : -12.4 G cm Pred. C.C. currents

V Quadrupole : -48.6 G Iz(BzC): -12.4 Gcm Iz(Bz) : 49.0 G cm I1 : 2.0474 A

V Sextupole : -86.1 G/cm Ix(coil) : -18.6 G cm I2 : -2.4234 A

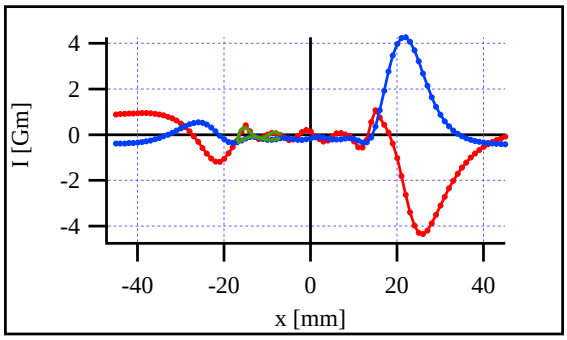
Ix(BxC) : -18.6 Gcm Ix(Bx) : 326.5 G cm

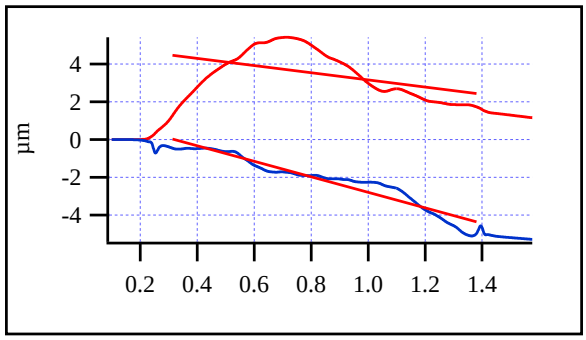
H Dipole : -14.2 G cm IIx(sBx) : 0.2549 G m^2 I3 : 0.0510 A

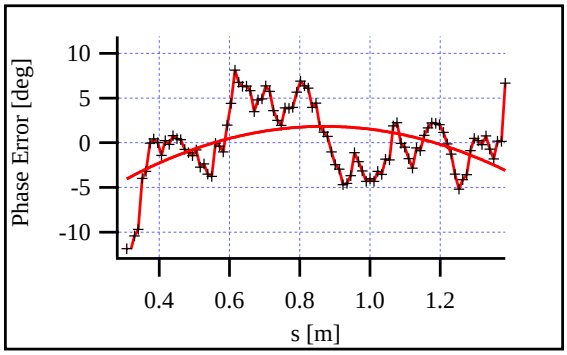
H Quadrupole : -41.8 G IIz(sBz): -0.4365 G m^2 I4 : 2.5151 A

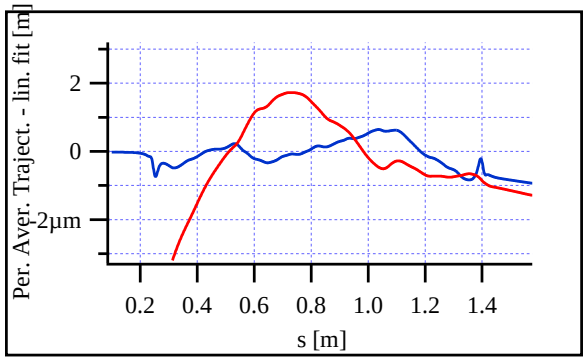
H Sextupole : 561.7 G/cm BzTrj RMS dev. : 0.4 um

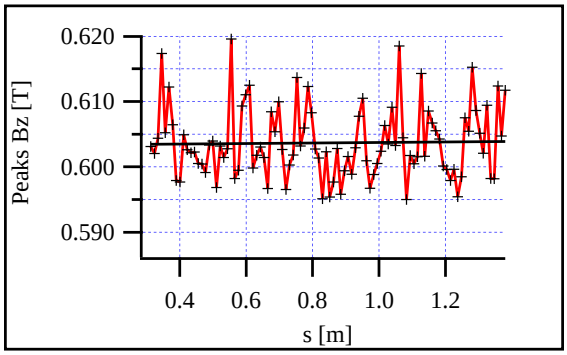
BxTrj RMS dev. : 1.1 um

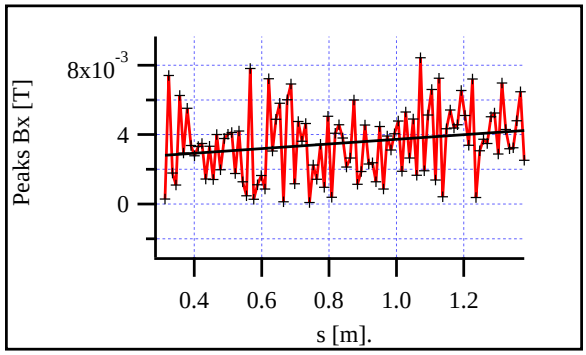












Kyma Srl
S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste, Italy - VAT no.: IT-01131640326
Voice: +39.040.375.8796 – Fax: +39.040.375.8029 – E-mail: info@kyma-undulators.eu – web: www.kyma-undulators.eu