Kyma Analysis Report

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

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz123,Bx123,Izmes3,Ixmes3

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : -1 Peak Field Bx: 0.01237 T RMS Phase Error : 4.67 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 10.2 % Fund. En. (B2E) : 1676.5 eV = 0.7 nm

Peak Field Bz: 0.78147 T Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.3 % Peaks used : 102

e-beam energy : 3 GeV Bx Taper : -2.788 G/m Bz Taper : -16.245 G/m

Krms : 1.136

V Dipole : -12.5 G cm Iz(coil) : -12.7 G cm Pred. C.C. currents

V Quadrupole : -7.2 G Iz(BzC): -12.7 Gcm Iz(Bz) : 74.0 G cm I1 : -0.7359 A

V Sextupole : -72.9 G/cm Ix(coil) : -8.5 G cm I2 : -0.9660 A

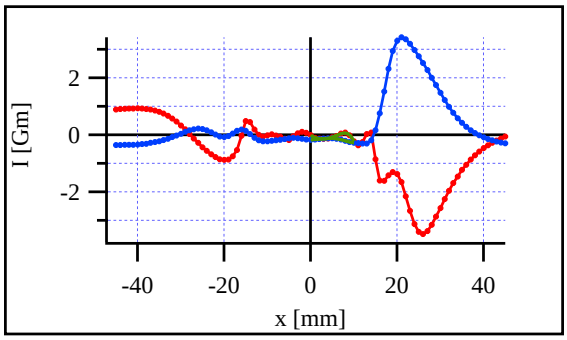
Ix(BxC) : -8.5 Gcm Ix(Bx) : 82.3 G cm

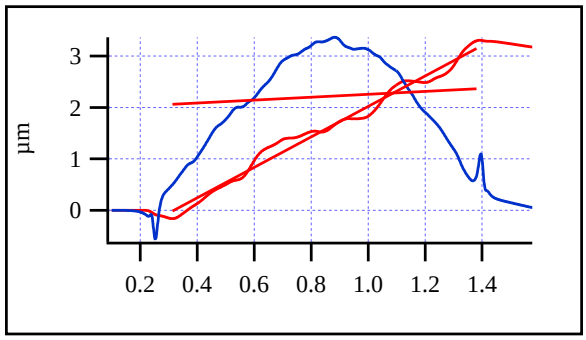
H Dipole : -8.5 G cm IIx(sBx) : 0.3815 G m^2 I3 : 2.2654 A

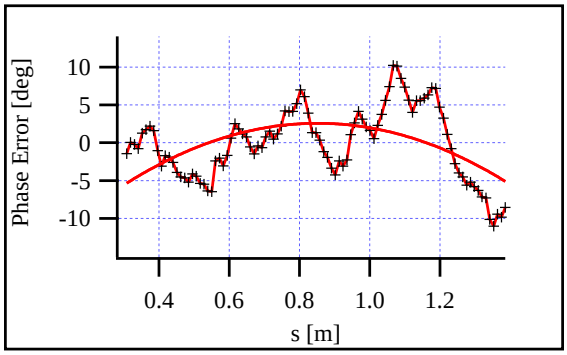
H Quadrupole : 54.7 G IIz(sBz): 0.1006 G m^2 I4 : 0.4369 A

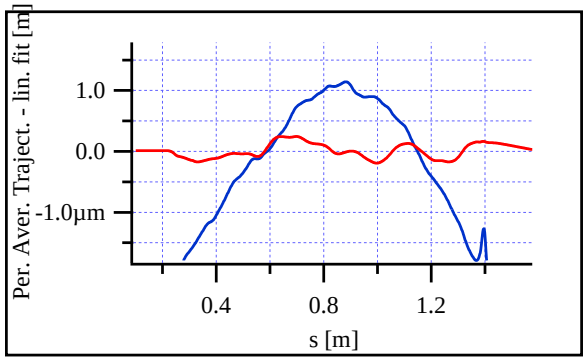
H Sextupole : 89.1 G/cm BzTrj RMS dev. : 0.9 um

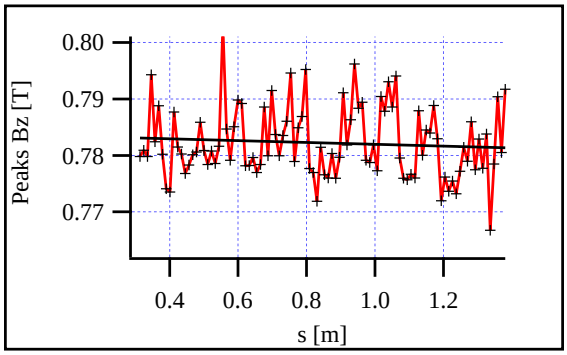
BxTrj RMS dev. : 0.1 um

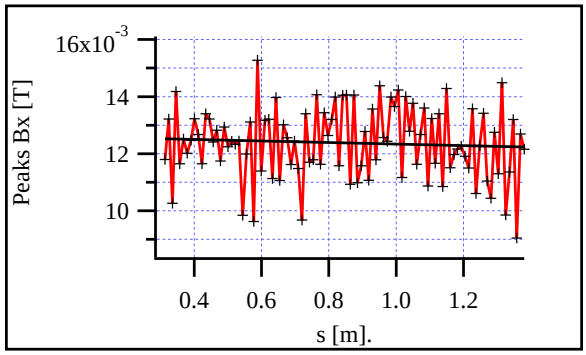












Kyma Srl
S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste, Italy - VAT no.: IT-01131640326
Voice: +39.040.375.8796 – Fax: +39.040.375.8029 – E-mail: info@kyma-undulators.eu – web: www.kyma-undulators.eu