Kyma Analysis Report

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

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz183,Bx183,Izmes39,Ixmes39

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 0 Peak Field Bx: 0.01380 T RMS Phase Error : 2.36 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 6.2 % Fund. En. (B2E) : 2792.7 eV = 0.4 nm

Peak Field Bz: 0.43150 T Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.1 % Peaks used : 102

e-beam energy : 3 GeV Bx Taper : -4.614 G/m Bz Taper : -6.013 G/m

Krms : 0.627

V Dipole : -10.2 G cm Iz(coil) : -10.7 G cm Pred. C.C. currents

V Quadrupole : 17.4 G Iz(BzC): -10.7 Gcm Iz(Bz) : 58.0 G cm I1 : 0.2215 A

V Sextupole : 16.7 G/cm Ix(coil) : 4.7 G cm I2 : -1.1372 A

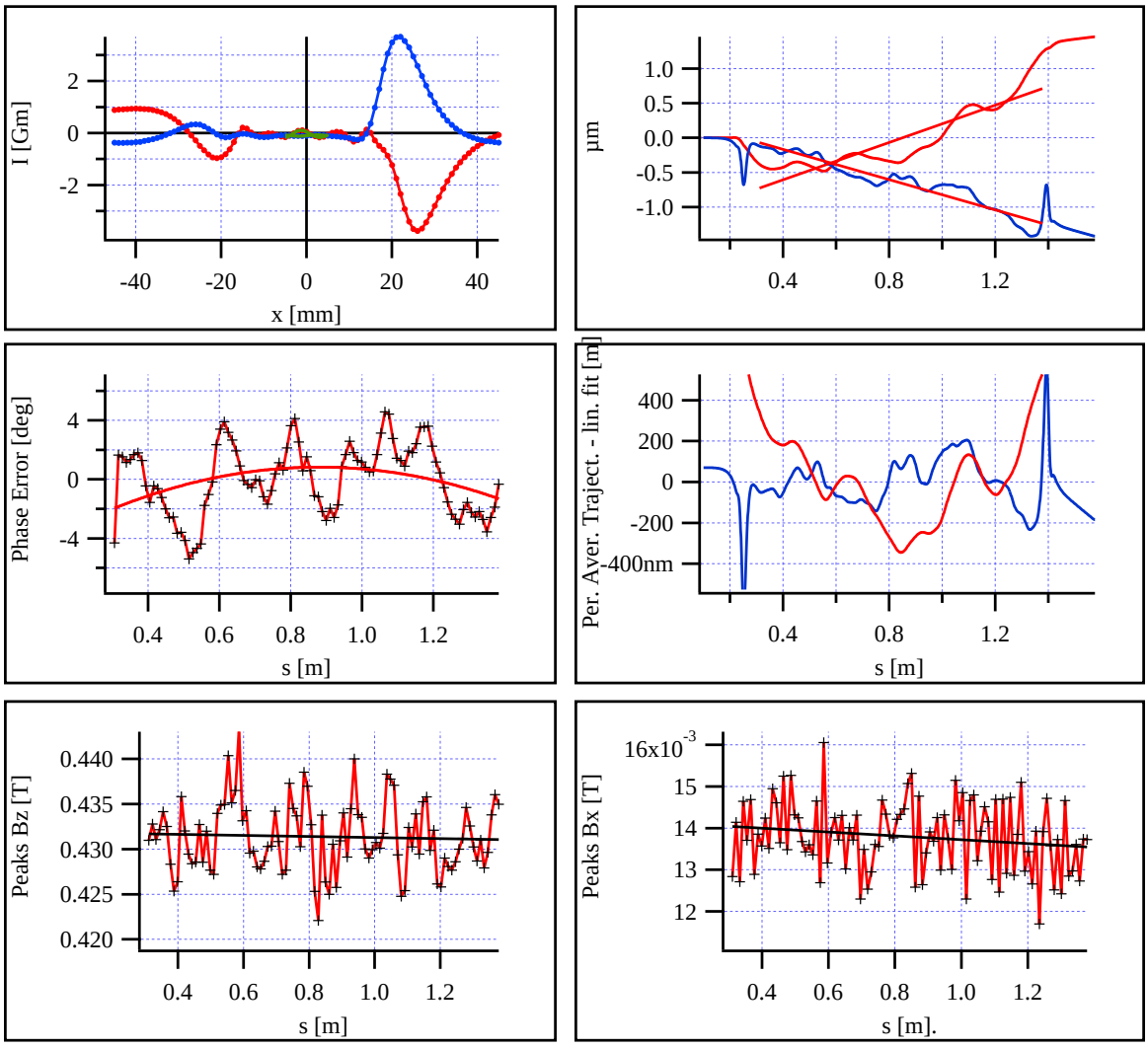
Ix(BxC) : 4.7 Gcm Ix(Bx) : 864.5 G cm

H Dipole : 4.5 G cm IIx(sBx) : 0.1111 G m^2 I3 : 0.3696 A

H Quadrupole : -79.4 G IIz(sBz): -0.0621 G m^2 I4 : -0.0031 A

H Sextupole : -185.0 G/cm BzTrj RMS dev. : 0.1 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