Kyma Analysis Report

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

Filename: 1991d-TPF-UFCM 20200508

Waves analysed : Bz291,Bx291,Izmes51,Ixmes51 Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm]: 1 Peak Field Bx: 0.01080 T RMS Phase Error: 12.97 deg

Taper [mm]: 0 Hall X [mm]: 12 Delta Bx/Bx: 24.8 % Fund. En. (B2E) : 2097.1 eV = 0.6 nm

Peak Field Bz: 0.62769 T Radiation wavelength (lin. fit): 0.6 nm Peaks used: 102

Bz Taper: 13.819 G/m

Undulator Period: 22.00+-0.02 mm Delta Bz/Bz: 1.4 %

e-beam energy: 3 GeV Bx Taper: -3.776 G/m

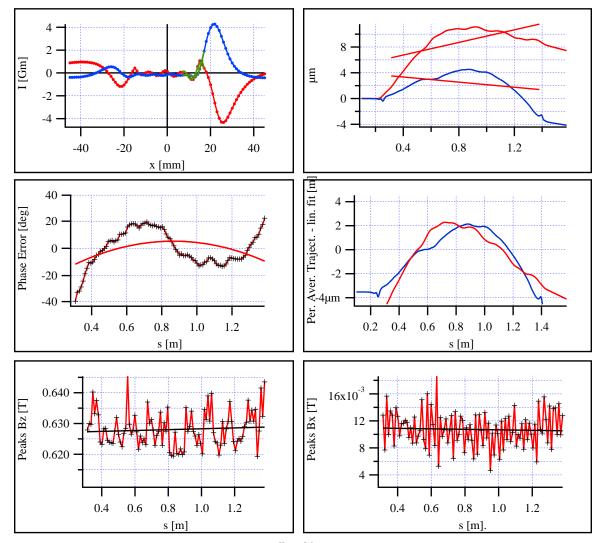
Krms: 0.912

V Dipole: -35.7 G cm Pred. C.C. currents Iz(coil): -34.7 G cm Iz(BzC): -34.7 Gcm Iz(Bz): 39.9 G cm V Quadrupole: -53.5 G I1: 0.3178 A V Sextupole: 521.6 G/cm Ix(coil): -57.6 G cm I2: -3.7183 A

Ix(BxC): -57.6 Gcm Ix(Bx): 84.6 G cm

H Dipole : -46.0 G cm $IIx(sBx) : 1.1768 \text{ G m}^2$ I3: 5.8891 A H Quadrupole: 245.8 G IIz(sBz): -0.1537 G m^2 I4: 4.2946 A

H Sextupole: 1302.2 G/cm BzTrj RMS dev.: 1.7 um BxTrj RMS dev.: 1.8 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