Kyma Analysis Report

Date: 24. feb 2020 Name: 1991b Temperature: 23.0

Filename: 1991b-TPF-UFCM 20200224

 $Waves\ analysed: Bz221, Bx221, Izmes11, Ixmes11\\ Gap\ [mm]: 200$

Phase [mm]: 2 Hall Z [mm]: 1 Peak Field Bx: 0.00740 T RMS Phase Error: 5.78 deg

Taper [mm]: 0 Hall X [mm]: 0 Delta Bx/Bx: 10.6 % Fund. En. (B2E): 1929.8 eV = 0.6 nmPeak Field Bz: 0.69140 T Radiation wavelength (lin. fit): 0.6 nm

Peaks used: 103

Undulator Period: 22.00+-0.02 mm Delta Bz/Bz: 1.3 % e-beam energy: 3 GeV Bx Taper : 3.859 G/m Bz Taper: -17.283 G/m

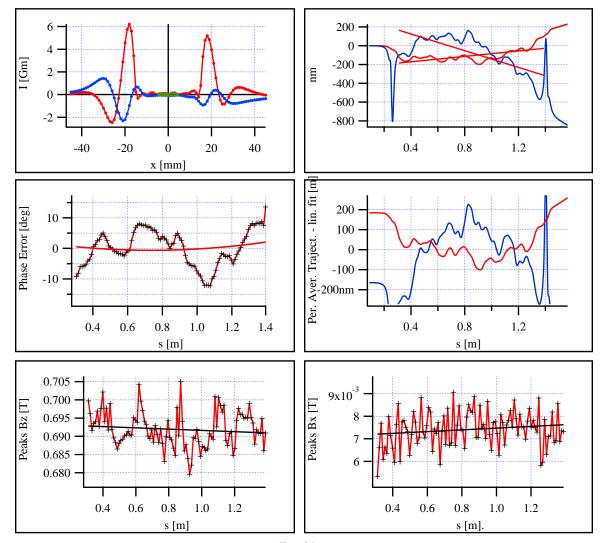
Krms: 1.005

V Dipole: -8.7 G cm Iz(coil): -8.9 G cm Pred. C.C. currents V Quadrupole: -10.0 G Iz(BzC): -8.9 Gcm Iz(Bz): 31.1 G cm I1: 0.3342 A V Sextupole: 38.1 G/cm Ix(coil): 4.5 G cm I2: -0.5404 A

Ix(BxC): 4.5 Gcm Ix(Bx): 517.4 G cm

H Dipole: 7.6 G cm $IIx(sBx) : -0.0098 G m^2$ I3: 0.1274 A H Quadrupole: 11.1 G IIz(sBz): -0.0189 G m^2 I4: -0.4465 A

H Sextupole: 81.9 G/cm BzTrj RMS dev.: 0.1 um BxTrj RMS dev.: 0.0 um



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