

Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0
 Filename : 1991b-TPF-UFCM_20200224
 Waves analysed : Bz93,Bx93,Izmes41,Ixmes41
 Gap [mm] : 200
 Phase [mm] : 10 Hall Z [mm] : -1 Peak Field Bx: 0.00281 T RMS Phase Error : 6.53 deg
 Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 22.4 % Fund. En. (B2E) : 3527.8 eV = 0.4 nm
 Peak Field Bz: 0.21494 T Radiation wavelength (lin. fit): 0.4 nm
 Undulator Period : 22.01+-0.10 mm Delta Bz/Bz : 10.9 % Peaks used : 104
 e-beam energy : 3 GeV Bx Taper : 2.354 G/m Bz Taper : -1.557 G/m
 Krms : 0.312
 V Dipole : -3.0 G cm Iz(coil) : -3.2 G cm Pred. C.C. currents
 V Quadrupole : -27.5 G Iz(BxC) : -3.2 Gcm Iz(Bz) : 2.8 G cm I1 : 0.0832 A
 V Sextupole : 46.9 G/cm Ix(coil) : 16.0 G cm I2 : -1.1495 A
 H Dipole : 17.3 G cm Ix(BxC) : 16.0 Gcm Ix(Bx) : 181.8 G cm
 H Quadrupole : -13.8 G IIx(sBx) : 0.0219 G m² I3 : -0.7629 A
 H Sextupole : -113.6 G/cm IIZ(sBz) : -0.1224 G m² I4 : -0.0510 A
 BzTrj RMS dev. : 0.1 um
 BxTrj RMS dev. : 0.1 um

