

Kyma Analysis Report

Name : 1991d Date : 8. maj 2020 Temperature : 23.0
 Filename : 1991d-TPF-UFCM_20200508
 Waves analysed : Bz185,Bx185,Izmes41,Ixmes41
 Gap [mm] : 200
 Phase [mm] : 8 Hall Z [mm] : 0 Peak Field Bx: 0.01345 T RMS Phase Error : 2.33 deg
 Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 6.3 % Fund. En. (B2E) : 3091.3 eV = 0.4 nm
 Undulator Period : 22.00+-0.04 mm Peak Field Bz: 0.35140 T Radiation wavelength (lin. fit): 0.4 nm
 e-beam energy : 3 GeV Delta Bz/Bz : 1.4 % Peaks used : 101
 Bx Taper : -5.028 G/m Bz Taper : -1.537 G/m
 Krms : 0.511
 V Dipole : -8.6 G cm Iz(coil) : -9.1 G cm Pred. C.C. currents
 V Quadrupole : 16.2 G Iz(BzC): -9.1 Gcm Iz(Bz) : 35.8 G cm I1 : 0.1729 A
 V Sextupole : 17.3 G/cm Ix(coil) : 2.6 G cm I2 : -1.0083 A
 H Dipole : 2.5 G cm Ix(BxC) : 2.6 Gcm Ix(Bx) : 745.8 G cm
 H Quadrupole : -80.8 G IIx(sBx) : 0.1184 G m² I3 : 0.4142 A
 H Sextupole : -181.5 G/cm IIZ(sBz): -0.0557 G m² I4 : 0.1172 A
 BzTrj RMS dev. : 0.1 um
 BxTrj RMS dev. : 0.2 um

