

Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0
 Filename : 1991b-TPF-UFCM_20200224
 Waves analysed : Bz341,Bx341,Izmes9,Ixmes9
 Gap [mm] : 200
 Phase [mm] : 2 Hall Z [mm] : -1 Peak Field Bx: 0.02708 T RMS Phase Error : 3.47 deg
 Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 7.2 % Fund. En. (B2E) : 2120.9 eV = 0.6 nm
 Peak Field Bz: 0.62149 T Radiation wavelength (lin. fit): 0.6 nm
 Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 % Peaks used : 103
 e-beam energy : 3 GeV Bx Taper : -16.614 G/m Bz Taper : -9.430 G/m
 Krms : 0.904
 V Dipole : -27.3 G cm Iz(coil) : -24.2 G cm Pred. C.C. currents
 V Quadrupole : 207.0 G Iz(BzC) : -24.2 Gcm Iz(Bz) : 43.6 G cm I1 : -0.6610 A
 V Sextupole : -617.7 G/cm Ix(coil) : 24.7 G cm I2 : -0.0797 A
 H Dipole : -0.5 G cm Ix(BxC) : 24.7 Gcm Ix(Bx) : 393.8 G cm
 H Quadrupole : 278.8 G IIx(sBx) : -0.1236 G m² I3 : 1.1686 A
 H Sextupole : 78.9 G/cm IIZ(sBz) : 0.3201 G m² I4 : -3.3356 A
 BzTrj RMS dev. : 0.2 um
 BxTrj RMS dev. : 0.9 um

