

Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0
 Filename : 1991b-TPF-UFCM_20200224
 Waves analysed : Bz297,Bx297,Izmes18,Ixmes18
 Gap [mm] : 200
 Phase [mm] : 4 Hall Z [mm] : 0 Peak Field Bx: 0.02301 T RMS Phase Error : 3.30 deg
 Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 8.5 % Fund. En. (B2E) : 2504.0 eV = 0.5 nm
 Peak Field Bz: 0.50778 T Radiation wavelength (lin. fit): 0.5 nm
 Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 % Peaks used : 103
 e-beam energy : 3 GeV Bx Taper : 9.748 G/m Bz Taper : -6.243 G/m
 Krms : 0.739
 V Dipole : -11.6 G cm Iz(coil) : -11.8 G cm Pred. C.C. currents
 V Quadrupole : 53.0 G Iz(BzC): -11.8 Gcm Iz(Bz) : 1.0 G cm I1 : -1.1646 A
 V Sextupole : 55.7 G/cm Ix(coil) : 26.0 G cm I2 : -1.8445 A
 H Dipole : 10.9 G cm Ix(BxC) : 26.0 Gcm Ix(Bx) : 685.6 G cm
 H Quadrupole : -111.1 G Iix(sBx) : 0.2559 G m^2 I3 : 0.5913 A
 H Sextupole : 887.3 G/cm Iiz(sBz) : 0.0351 G m^2 I4 : -0.6460 A
 BzTrj RMS dev. : 0.4 um
 BxTrj RMS dev. : 0.4 um

