

Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0
 Filename : 1991b-TPF-UFCM_20200224
 Waves analysed : Bz407,Bx407,Izmes47,Ixmes47
 Gap [mm] : 200
 Phase [mm] : 11 Hall Z [mm] : 1 Peak Field Bx: 0.11462 T RMS Phase Error : 6.90 deg
 Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 5.0 % Fund. En. (B2E) : 3517.3 eV = 0.4 nm
 Peak Field Bz: 0.18313 T Radiation wavelength (lin. fit): 0.4 nm
 Peaks used : 104
 Undulator Period : 22.00+-0.08 mm Delta Bz/Bz : 9.5 %
 e-beam energy : 3 GeV Bx Taper : -12.692 G/m Bz Taper : -38.440 G/m
 Krms : 0.314
 V Dipole : 19.0 G cm Iz(coil) : 16.0 G cm Pred. C.C. currents
 V Quadrupole : -212.4 G Iz(BzC): 16.1 Gcm Iz(Bz) : 10.1 G cm I1 : -0.1000 A
 V Sextupole : 260.5 G/cm Ix(coil) : 26.6 G cm I2 : -0.8454 A
 H Dipole : 3.6 G cm Ix(BxC) : 26.6 Gcm Ix(Bx) : -44.3 G cm
 H Quadrupole : 279.0 G IIx(sBx) : -0.1078 G m² I3 : -2.7682 A
 H Sextupole : 355.9 G/cm IIZ(sBz) : -0.2576 G m² I4 : 0.5783 A
 BzTrj RMS dev. : 0.4 um
 BxTrj RMS dev. : 0.7 um

