

Kyma Analysis Report

Name : 1991d Date : 8. maj 2020 Temperature : 23.0
 Filename : 1991d-TPF-UFCM_20200508
 Waves analysed : Bz139,Bx139,Izmes19,Ixmes19
 Gap [mm] : 200
 Phase [mm] : 9 Hall Z [mm] : -1 Peak Field Bx: 0.02223 T RMS Phase Error : 6.52 deg
 Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 5.6 % Fund. En. (B2E) : 2768.3 eV = 0.4 nm
 Peak Field Bz: 0.43466 T Radiation wavelength (lin. fit): 0.4 nm
 Undulator Period : 22.00+-0.06 mm Delta Bz/Bz : 1.6 % Peaks used : 102
 e-beam energy : 3 GeV Bx Taper : -4.866 G/m Bz Taper : -5.189 G/m
 Krms : 0.632
 V Dipole : -9.0 G cm Iz(coil) : -9.0 G cm Pred. C.C. currents
 V Quadrupole : -10.0 G Iz(BzC): -9.0 Gcm Iz(Bz) : 47.7 G cm I1 : -0.5984 A
 V Sextupole : -77.3 G/cm Ix(coil) : -13.8 G cm I2 : -0.9113 A
 H Dipole : -13.7 G cm Ix(BxC) : -13.8 Gcm Ix(Bx) : 505.6 G cm
 H Quadrupole : 49.8 G Iix(sBx) : 0.4021 G m^2 I3 : 2.1364 A
 H Sextupole : 94.8 G/cm Iiz(sBz) : 0.0521 G m^2 I4 : 0.9956 A
 BzTrj RMS dev. : 0.8 um
 BxTrj RMS dev. : 0.1 um

