

Kyma Analysis Report

Name : 1991d Date : 8. maj 2020 Temperature : 23.0
 Filename : 1991d-TPF-UFCM_20200508
 Waves analysed : Bz353,Bx353,Izmes17,Ixmes17
 Gap [mm] : 200
 Phase [mm] : 8 Hall Z [mm] : -1 Peak Field Bx: 0.09261 T RMS Phase Error : 9.66 deg
 Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 3.2 % Fund. En. (B2E) : 2751.7 eV = 0.5 nm
 Peak Field Bz: 0.41909 T Radiation wavelength (lin. fit): 0.4 nm
 Undulator Period : 22.00+-0.06 mm Delta Bz/Bz : 1.5 % Peaks used : 102
 e-beam energy : 3 GeV Bx Taper : -3.540 G/m Bz Taper : 13.049 G/m
 Krms : 0.624
 V Dipole : -32.3 G cm Iz(coil) : -29.8 G cm Pred. C.C. currents
 V Quadrupole : -21.0 G Iz(BzC): -29.8 Gcm Iz(Bz) : 19.2 G cm I1 : -1.0764 A
 V Sextupole : 278.3 G/cm Ix(coil) : -27.0 G cm I2 : -4.3130 A
 H Dipole : -10.0 G cm Ix(BxC) : -27.0 Gcm Ix(Bx) : 473.3 G cm
 H Quadrupole : 239.5 G IIx(sBx) : 1.2091 G m² I3 : 5.0788 A
 H Sextupole : -434.7 G/cm IIZ(sBz): -0.1036 G m² I4 : 3.4881 A
 BzTrj RMS dev. : 2.0 um
 BxTrj RMS dev. : 1.4 um

