

Kyma Analysis Report

Name : 1991d Date : 8. maj 2020 Temperature : 23.0
 Filename : 1991d-TPF-UFCM_20200508
 Waves analysed : Bz429,Bx429,Izmes69,Ixmes69
 Gap [mm] : 200
 Phase [mm] : 10 Hall Z [mm] : 1 Peak Field Bx: 0.08161 T RMS Phase Error : 5.44 deg
 Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 7.0 % Fund. En. (B2E) : 3668.2 eV = 0.3 nm
 Peak Field Bz: 0.11496 T Radiation wavelength (lin. fit): 0.3 nm
 Undulator Period : 22.01+-0.16 mm Delta Bz/Bz : 9.2 % Peaks used : 103
 e-beam energy : 3 GeV Bx Taper : -0.096 G/m Bz Taper : 10.693 G/m
 Krms : 0.205
 V Dipole : -9.0 G cm Iz(coil) : -8.6 G cm Pred. C.C. currents
 V Quadrupole : -34.5 G Iz(BzC) : -8.6 Gcm Iz(Bz) : 20.0 G cm I1 : 1.7794 A
 V Sextupole : -72.6 G/cm Ix(coil) : -15.9 G cm I2 : -2.2414 A
 H Dipole : -12.1 G cm Ix(BxC) : -15.9 Gcm Ix(Bx) : 151.2 G cm
 H Quadrupole : -35.3 G IIx(sBx) : 0.2425 G m² I3 : -0.1408 A
 H Sextupole : 564.2 G/cm IIZ(sBz) : -0.4179 G m² I4 : 2.4783 A
 BzTrj RMS dev. : 0.4 μ m
 BxTrj RMS dev. : 1.0 μ m

