

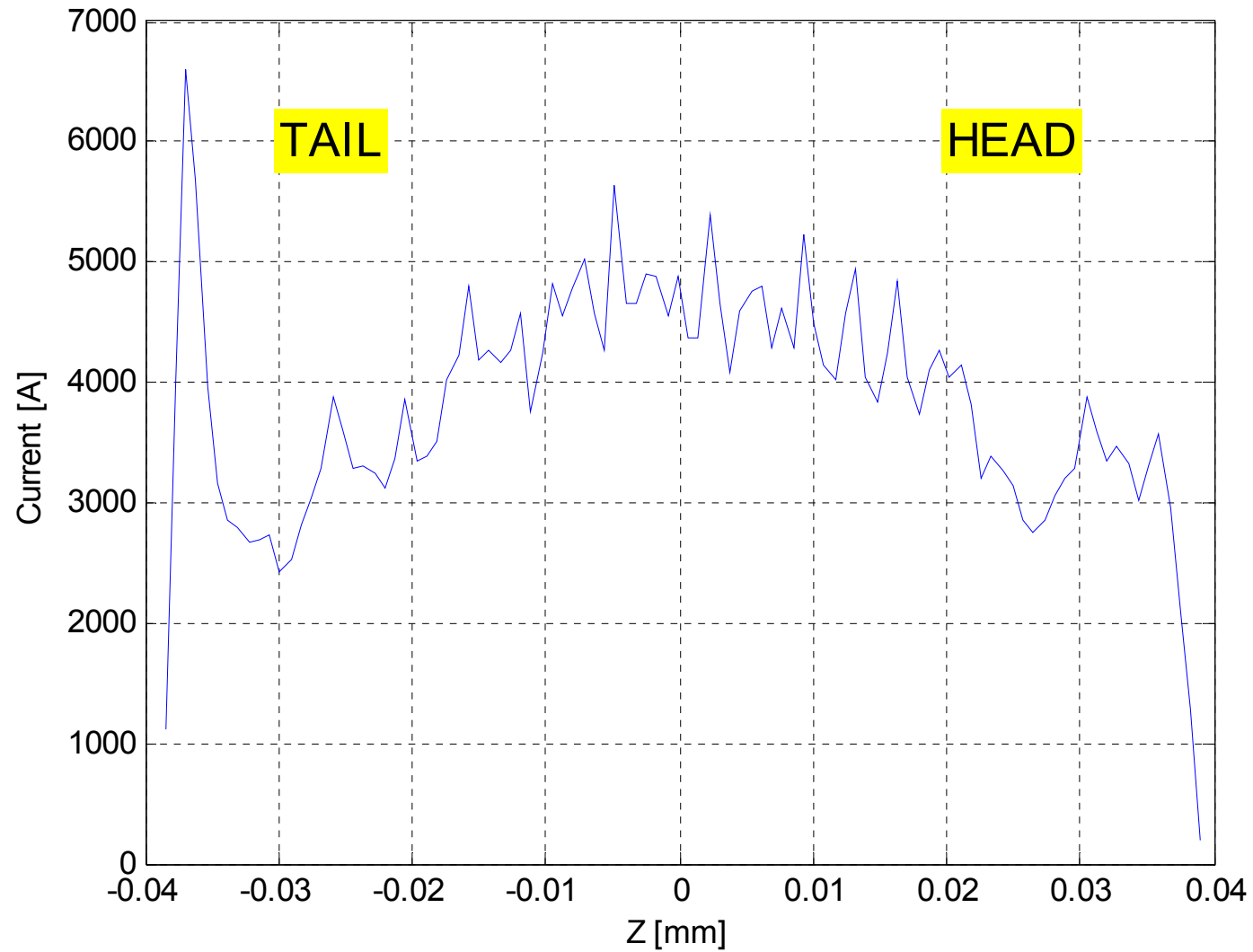
XFEL 20 GeV with double chicane. With CSR

MAIN BEAM PARAMETERS AT Z=114.7 METERS (1 meter downstream BC2) FROM ELEGANT OUTPUTS (200 k particules, 100 slices)

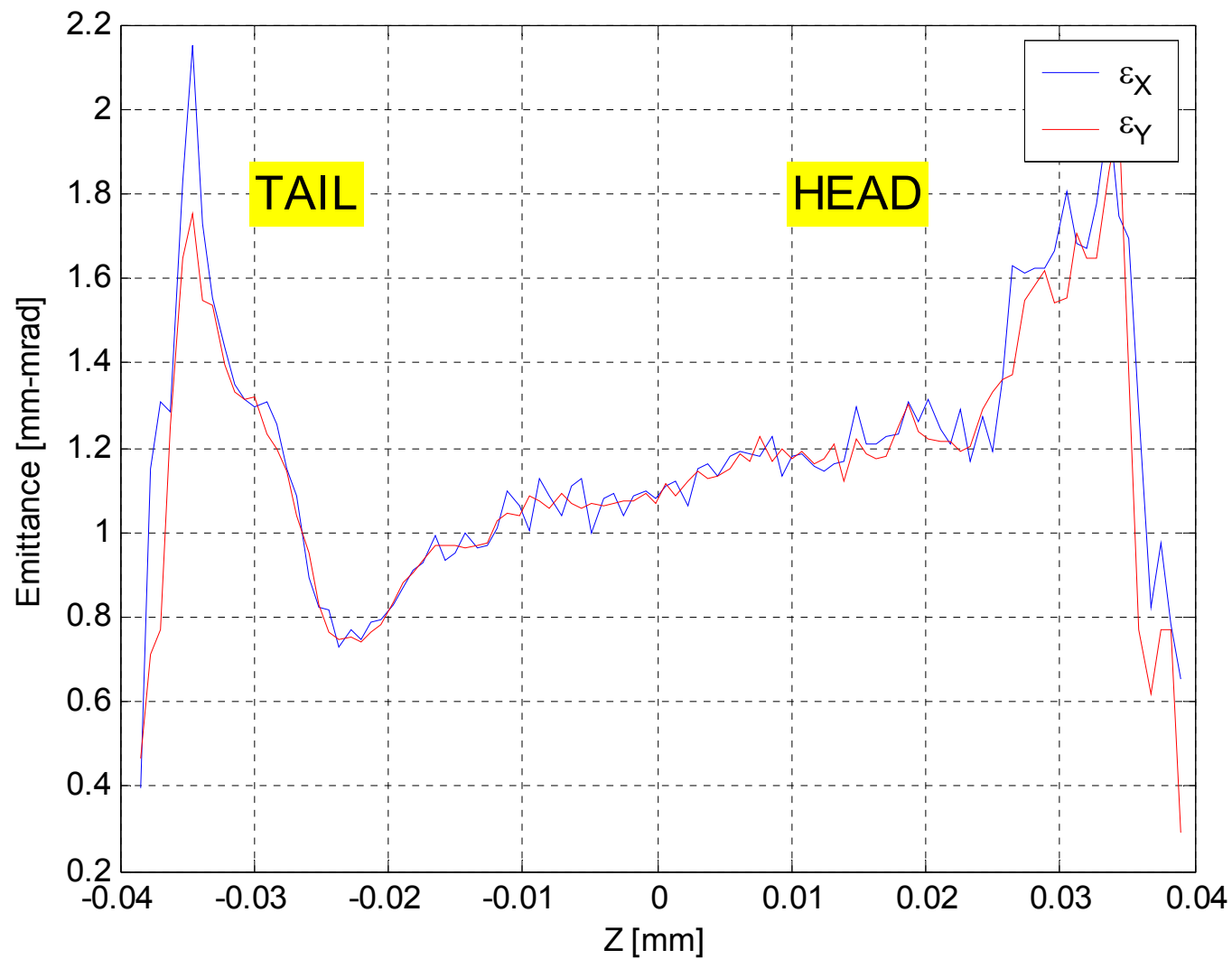
PARAMETERS AT Z = 1.147395E+002 METERS (FROM ELEGANT OUTPUT FILE)

ALPHA X	-4.453165E-001
BETA X [m-1]	9.415376E+000
ALPHA Y	-3.653059E-001
BETA Y [m-1]	8.174401E+000
SIGMA X [m]	1.193267E-004
SIGMA Y [m]	1.036124E-004
SIGMA Z [m]	2.296350E-005
RMS EMIT X [m-rad]	1.574232E-006
RMS EMIT Y [m-rad]	1.299578E-006
TOTAL ENERGY [MeV]	5.114112E+002
ENERGY SPREAD	1.802970E-002

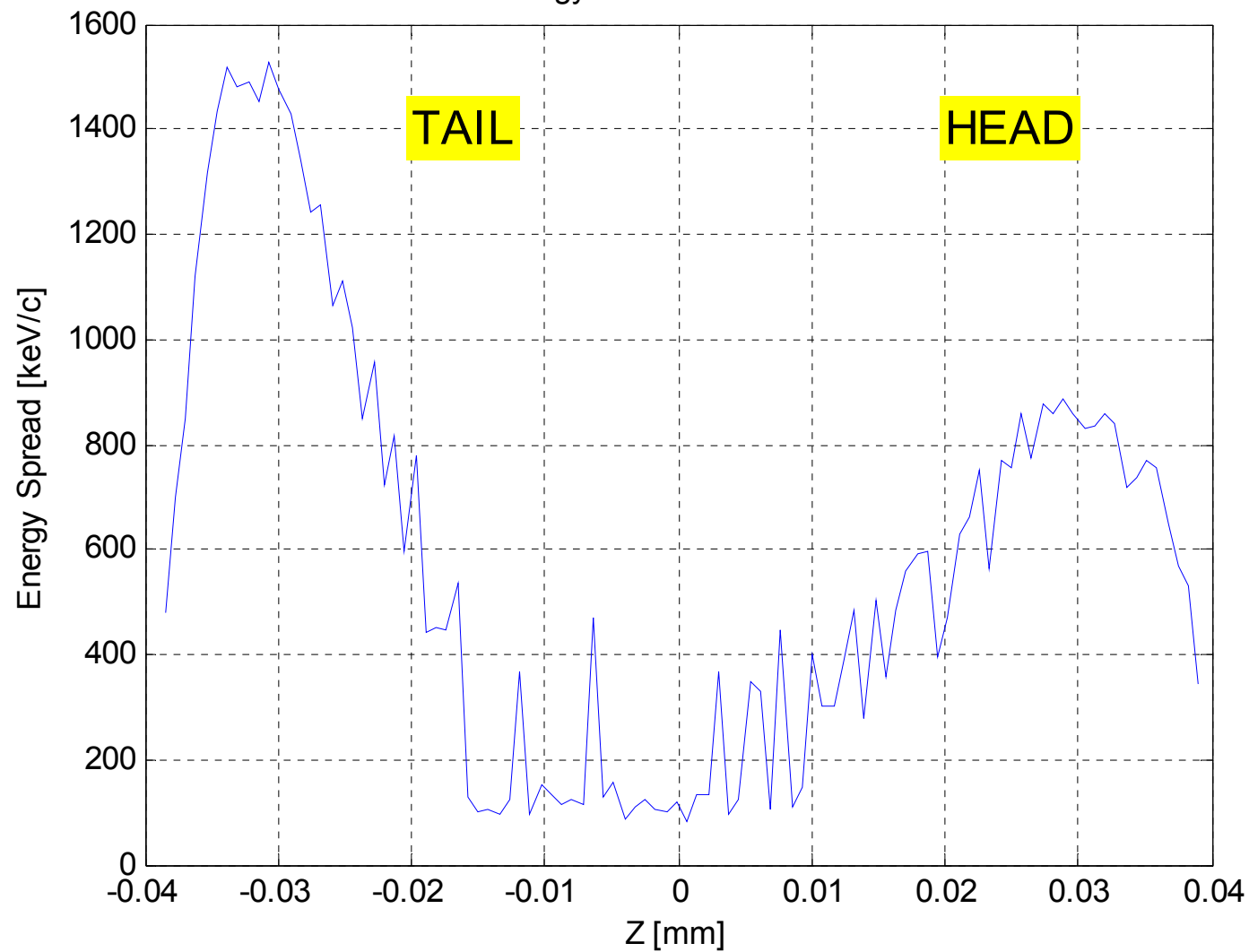
Current Distribution DBC2 / 1 nC Case



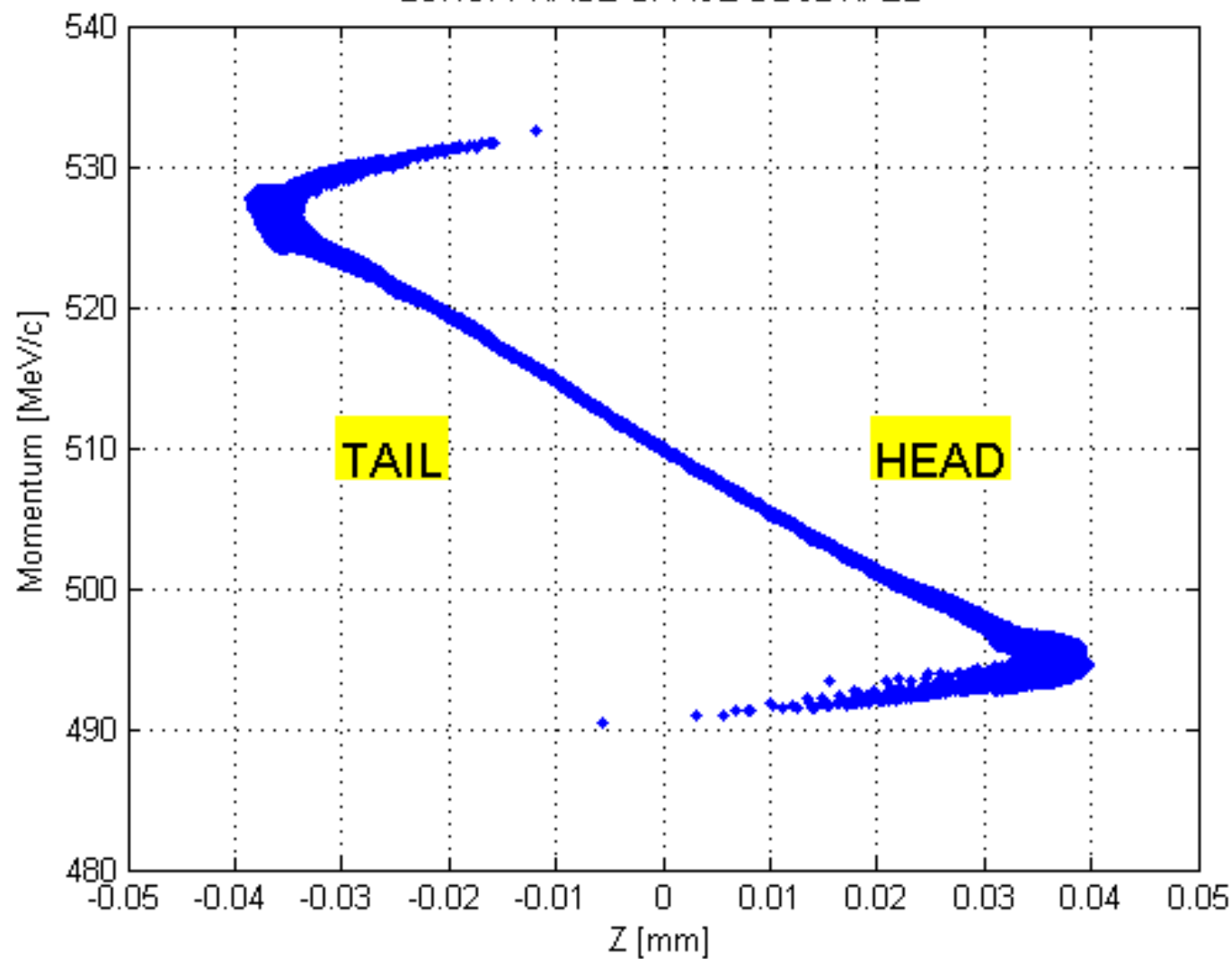
Slice Emittance DBC2 XFEL / 1 nC Case



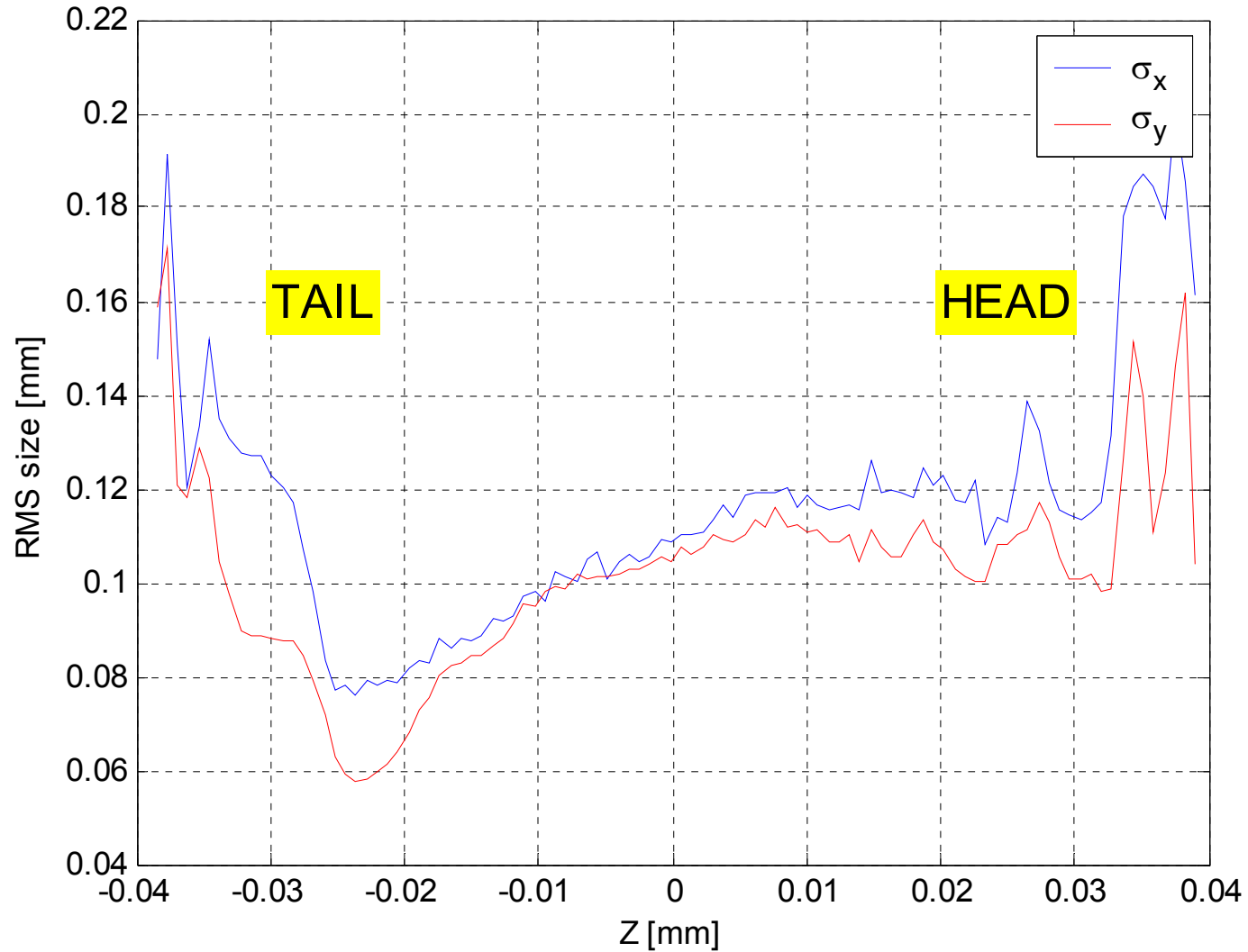
Slice Energy DBC2 XFEL / 1 nC Case



LONG. PHASE SPACE DBC2 XFEL



Slice RMS size DBC2 XFEL / 1 nC Case



SPOT DBC2 XFEL

