

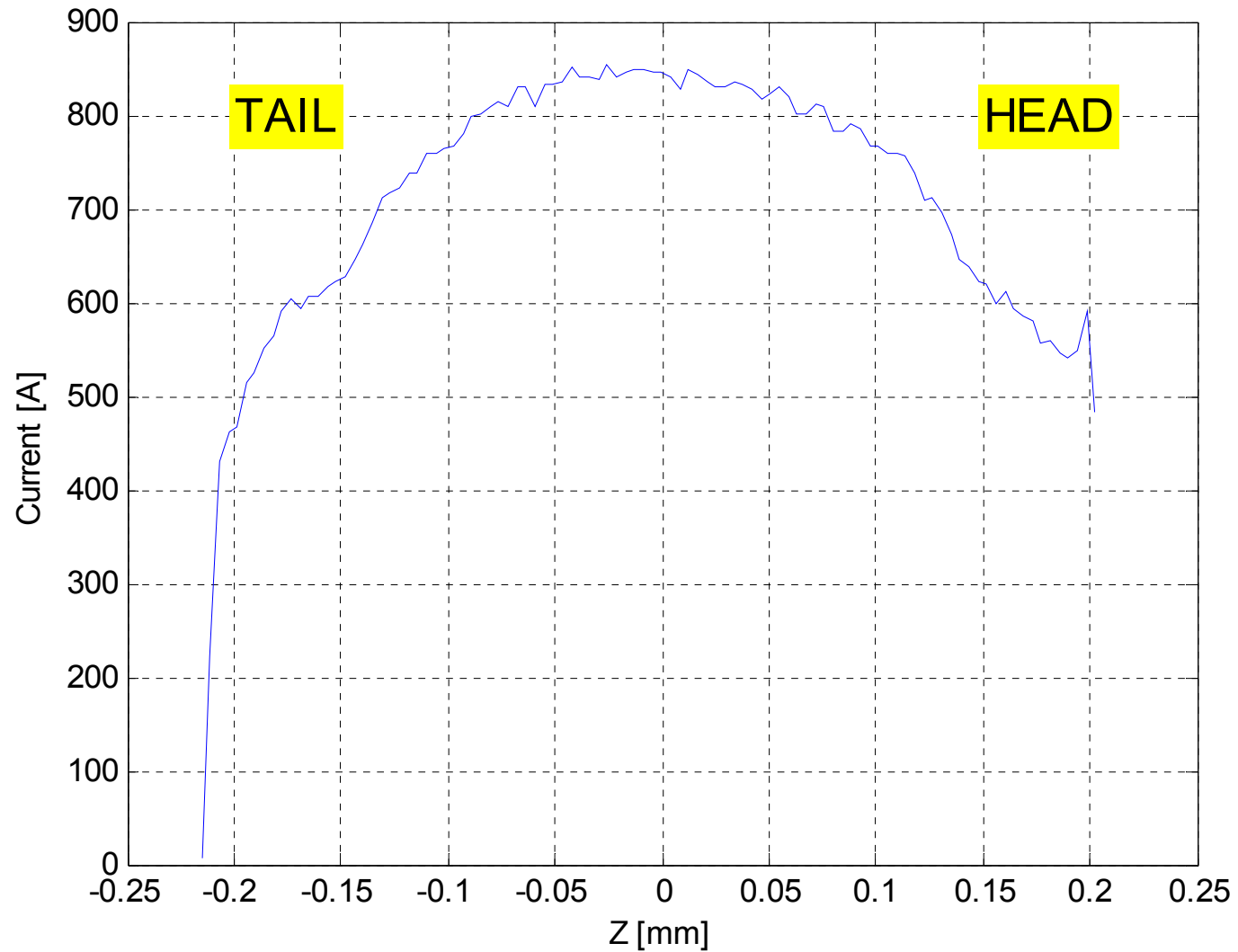
XFEL 20 GeV with double chicane. With CSR

MAIN BEAM PARAMETERS AT Z=71.3 METERS (1 meter downstream BC1) FROM ELEGANT OUTPUTS (200 k particules, 100 slices)

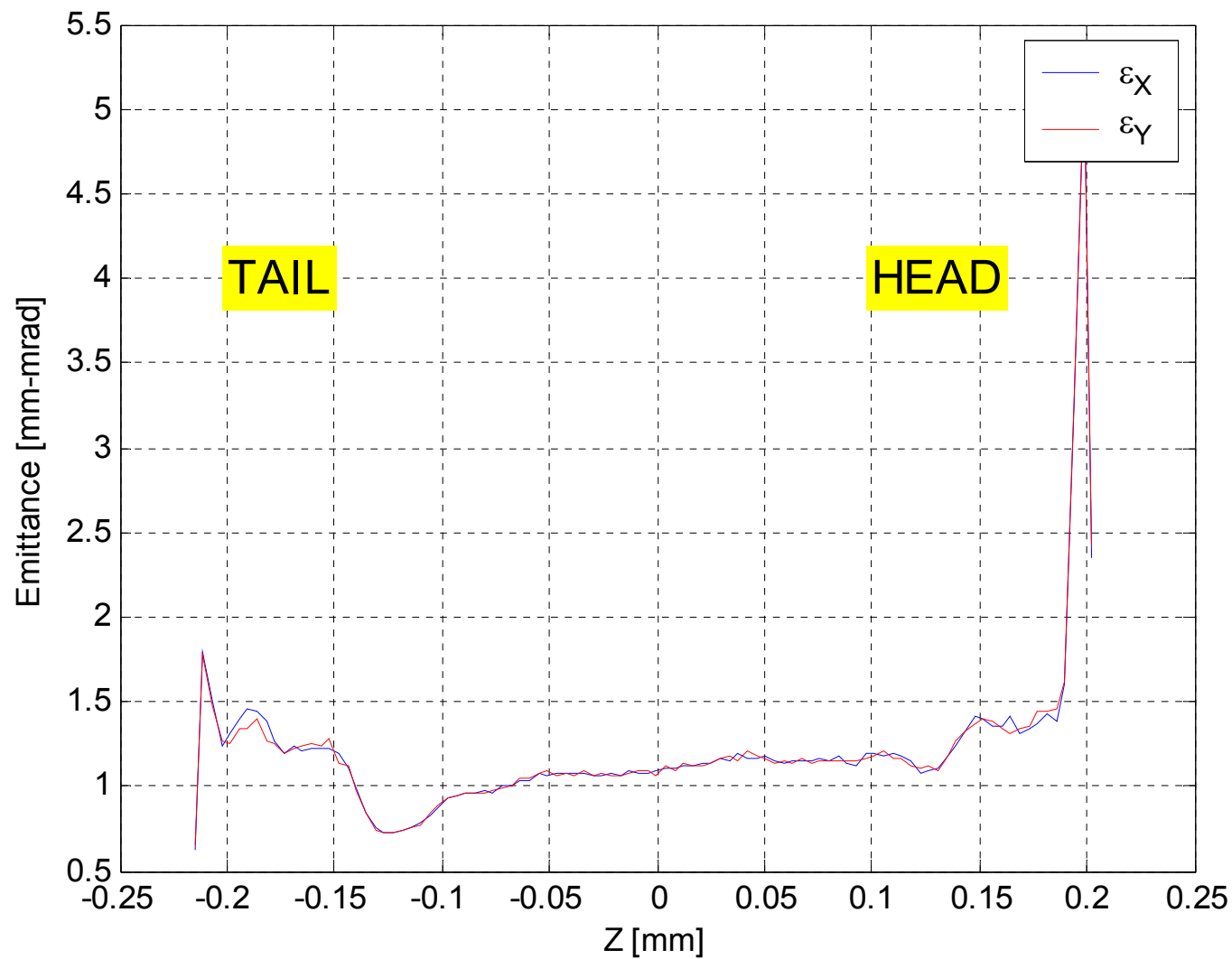
PARAMETERS AT Z = 7.137612E+001 METERS (FROM ELEGANT OUTPUT FILE)

ALPHA X	-3.648234E-001
BETA X [m-1]	8.663909E+000
ALPHA Y	-1.163750E-001
BETA Y [m-1]	9.132647E+000
SIGMA X [m]	1.067032E-004
SIGMA Y [m]	1.083917E-004
SIGMA Z [m]	1.124060E-004
RMS EMIT X [m-rad]	1.350517E-006
RMS EMIT Y [m-rad]	1.289067E-006
TOTAL ENERGY [MeV]	5.114112E+002
ENERGY SPREAD	1.873738E-002

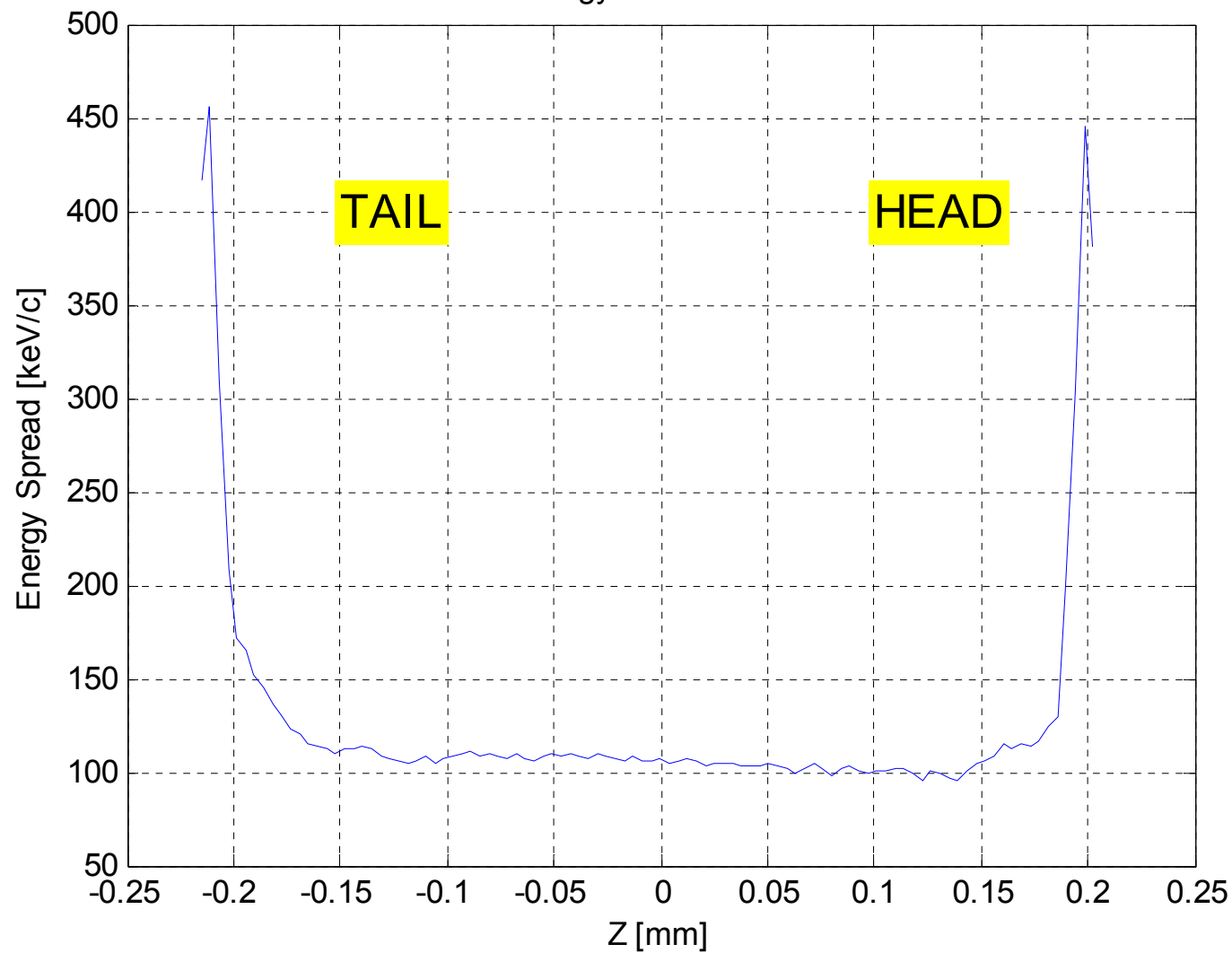
Current Distribution DBC1 / 1 nC Case



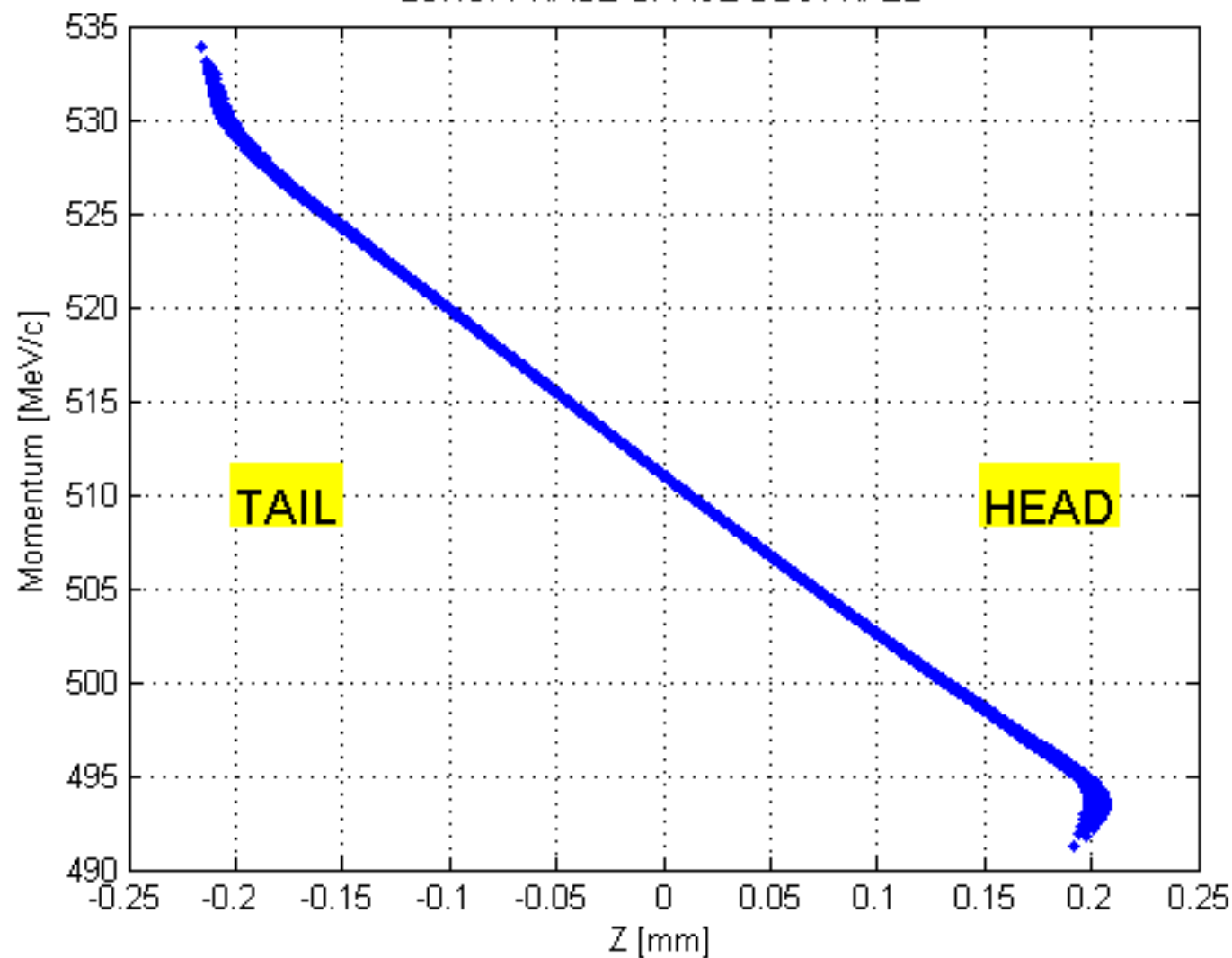
Slice Emittance DBC1 XFEL / 1 nC Case



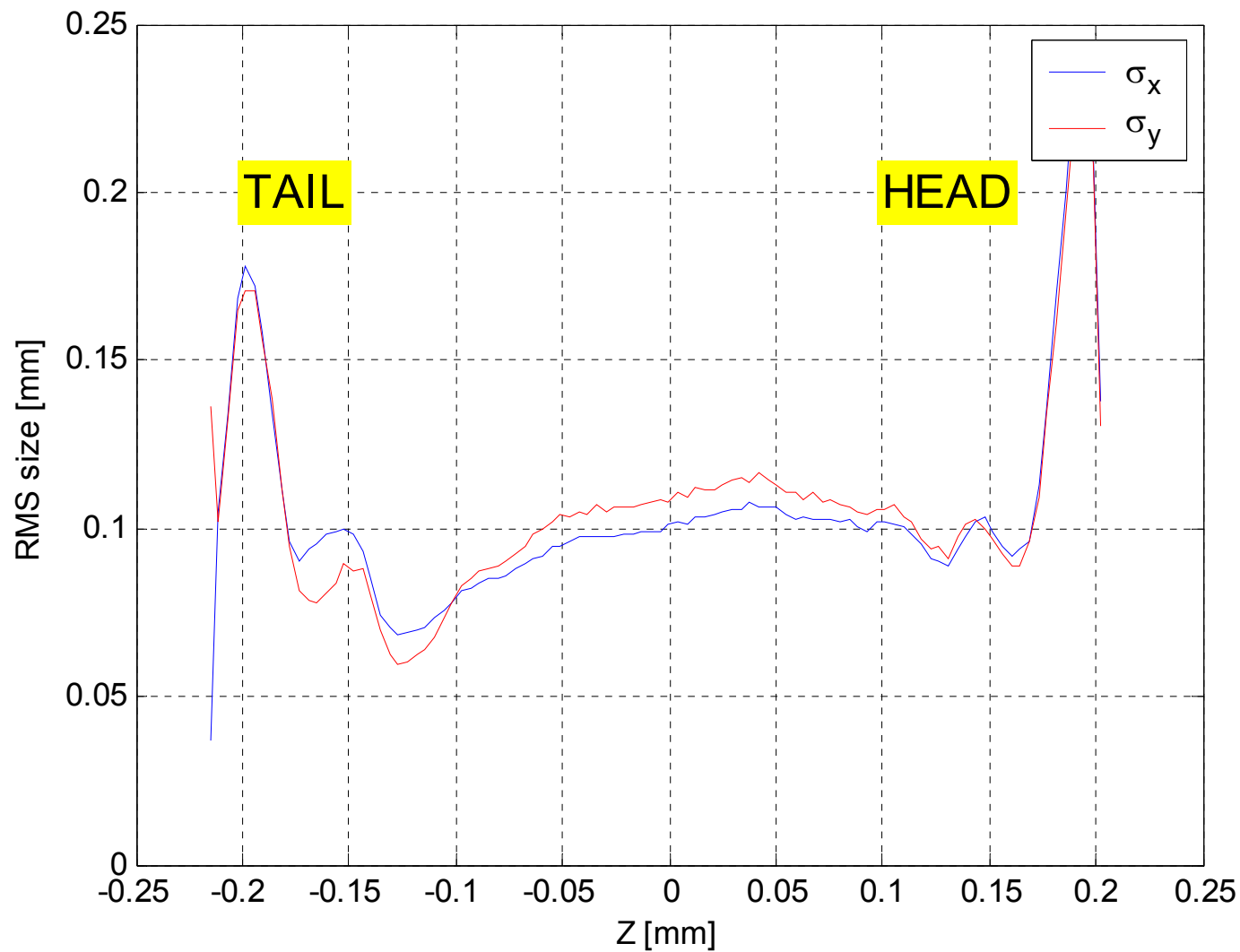
Slice Energy DBC1 / 1 nC Case



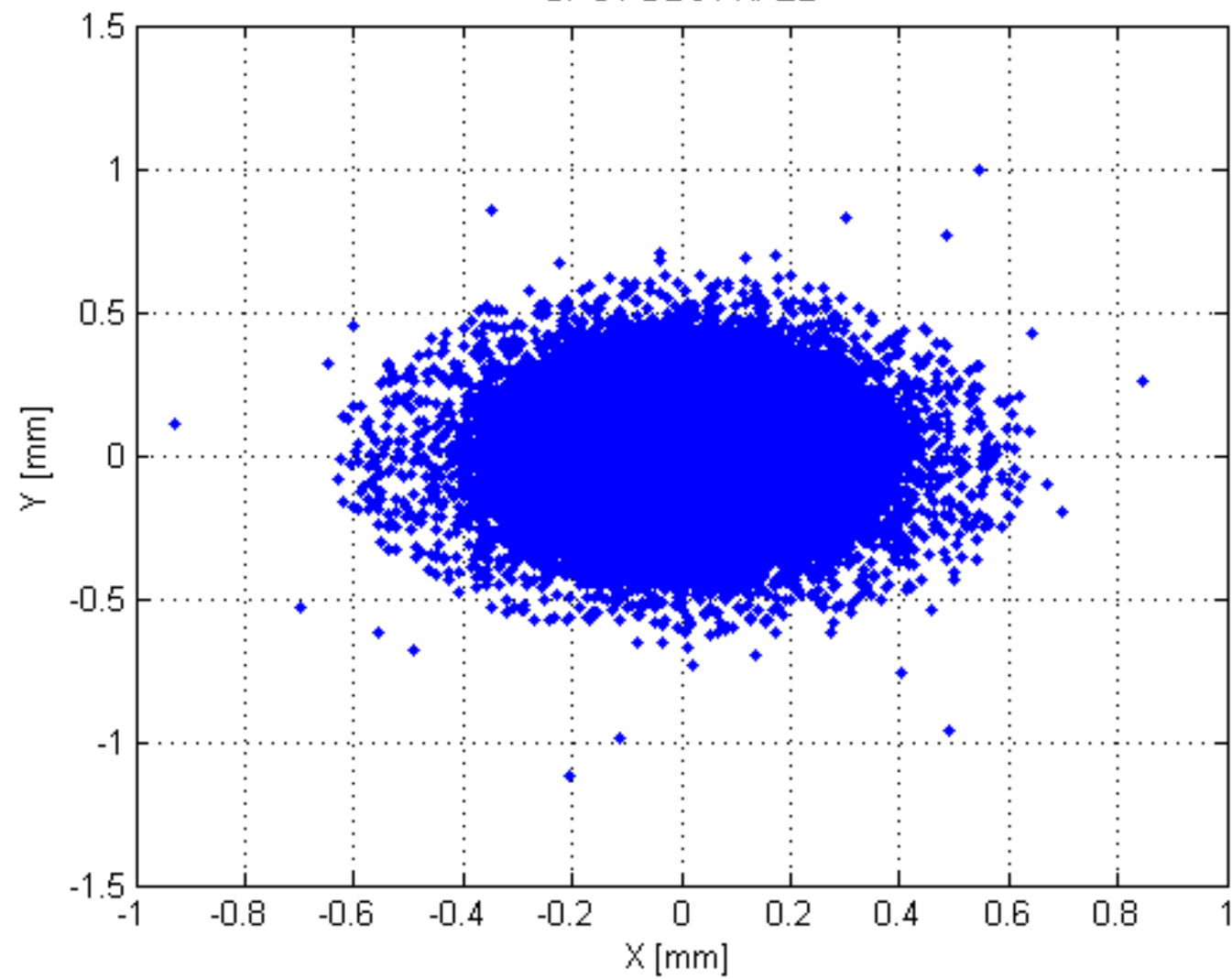
LONG. PHASE SPACE DBC1 XFEL



Slice RMS size DBC1 XFEL / 1 nC Case



SPOT DBC1 XFEL



HOR. PHASE SPACE DBC1 XFEL

