

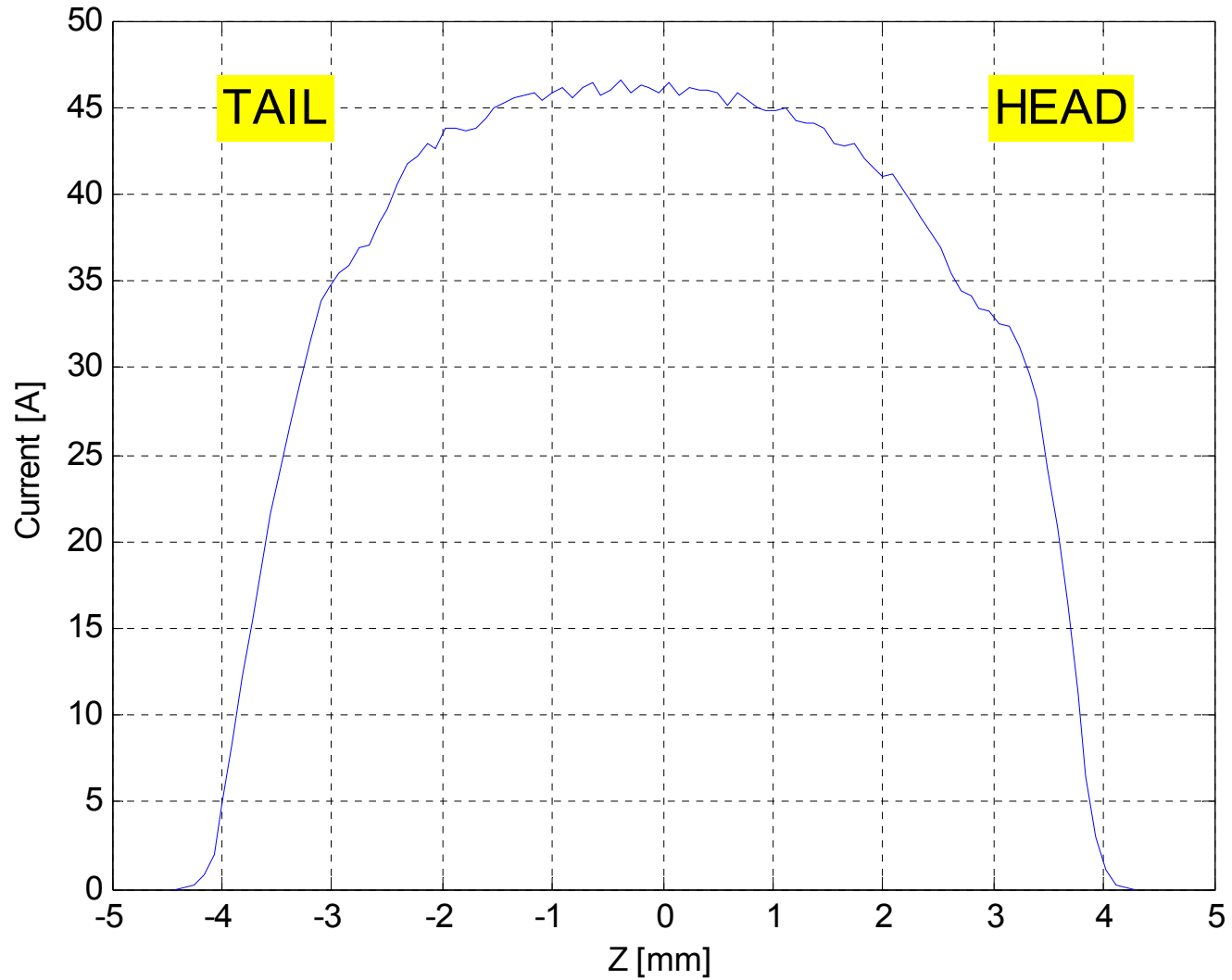
XFEL 20 GeV with double chicane.

MAIN BEAM PARAMETERS AT Z=51 METERS (1 meter upstream BC1) FROM ELEGANT OUTPUTS (200 k particles, 100 slices)

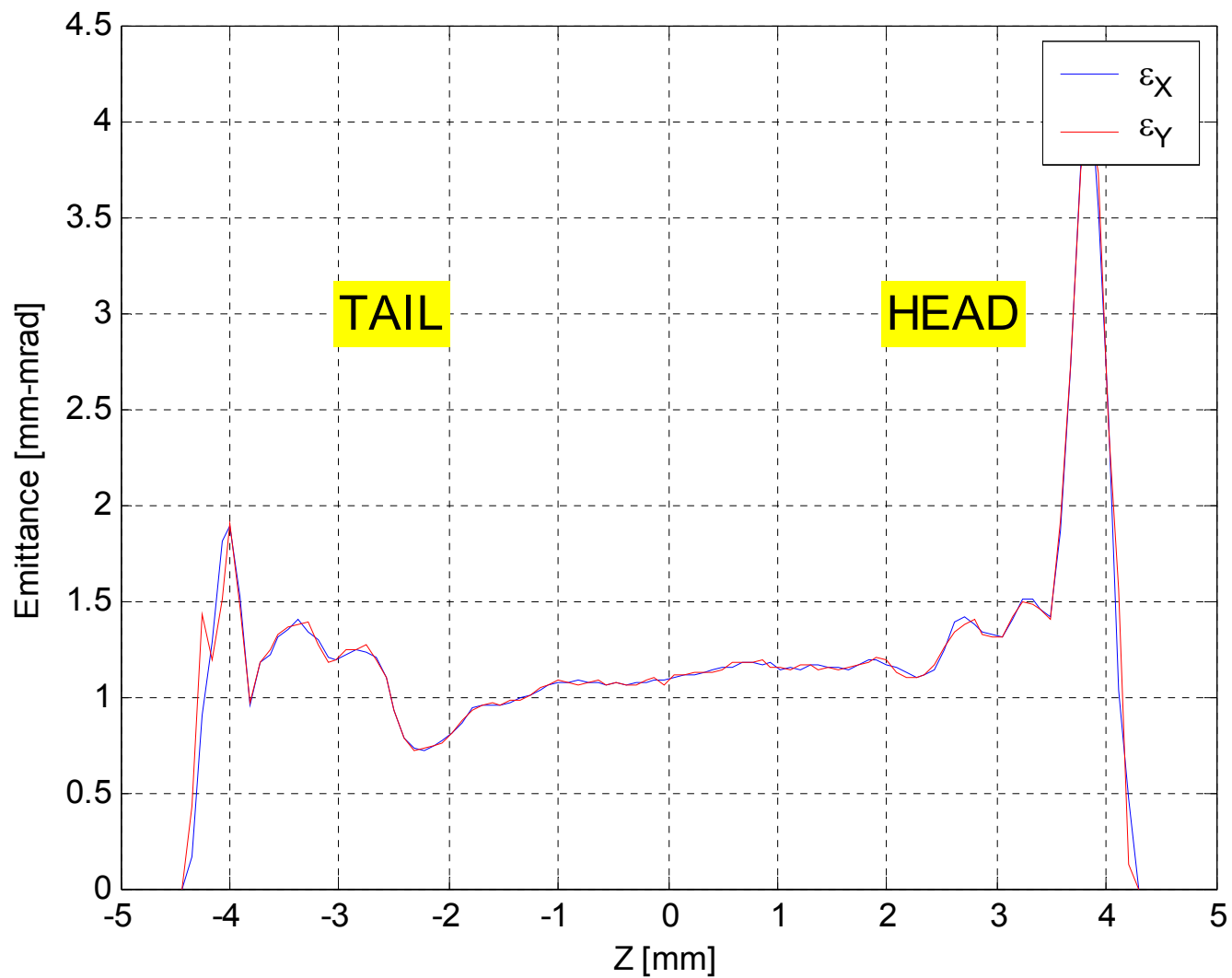
PARAMETERS AT Z = 5.112593E+001 METERS (FROM ELEGANT OUTPUT FILE)

ALPHA X	2.296746E+000
BETA X [m-1]	4.798039E+001
ALPHA Y	6.079358E-001
BETA Y [m-1]	3.055343E+001
SIGMA X [m]	2.486150E-004
SIGMA Y [m]	1.984029E-004
SIGMA Z [m]	2.011117E-003
RMS EMIT X [m-rad]	1.301054E-006
RMS EMIT Y [m-rad]	1.289847E-006
TOTAL ENERGY [MeV]	5.114112E+002
ENERGY SPREAD	1.884469E-002

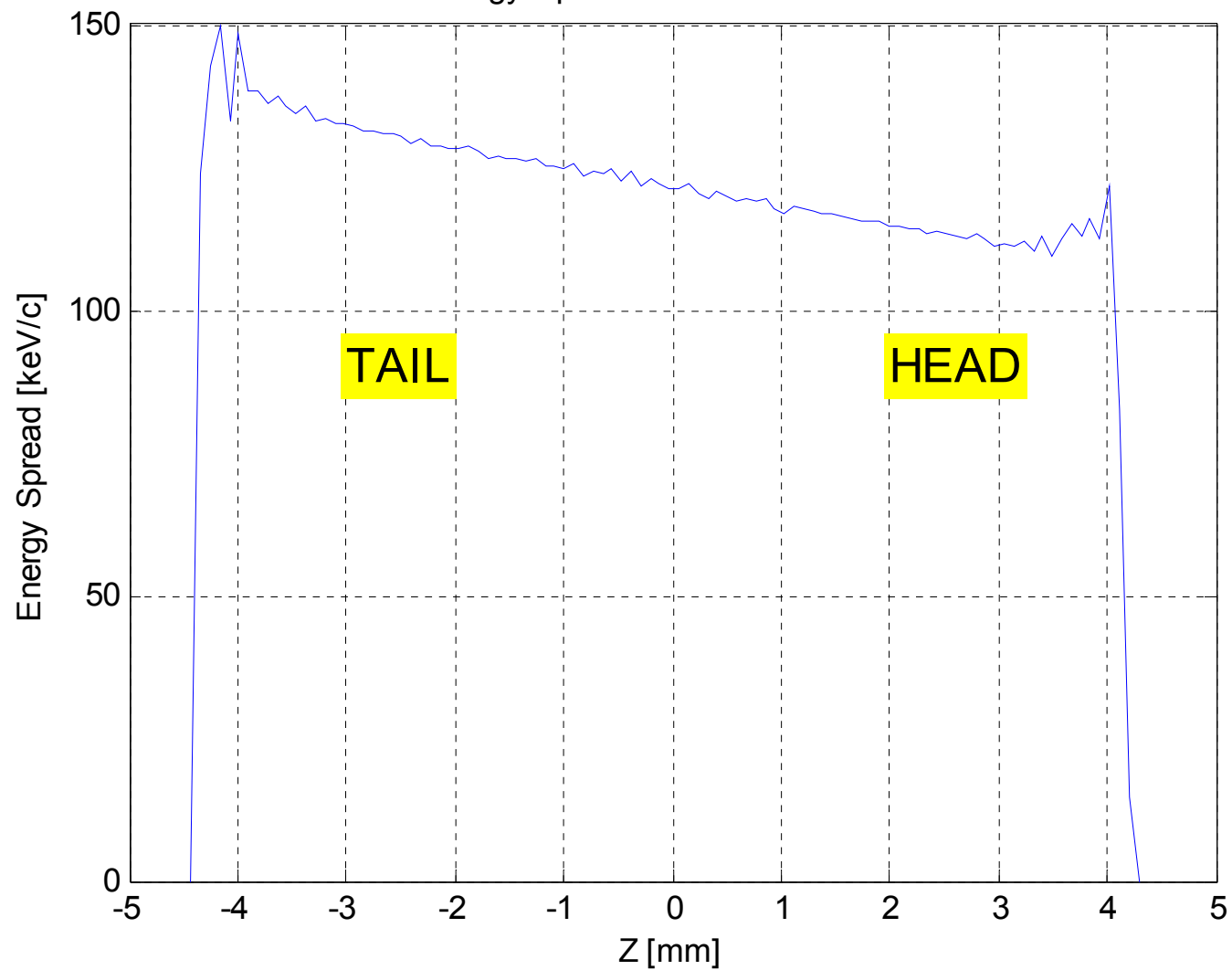
Current Distribution UBC1 XFEL / 1 nC Case



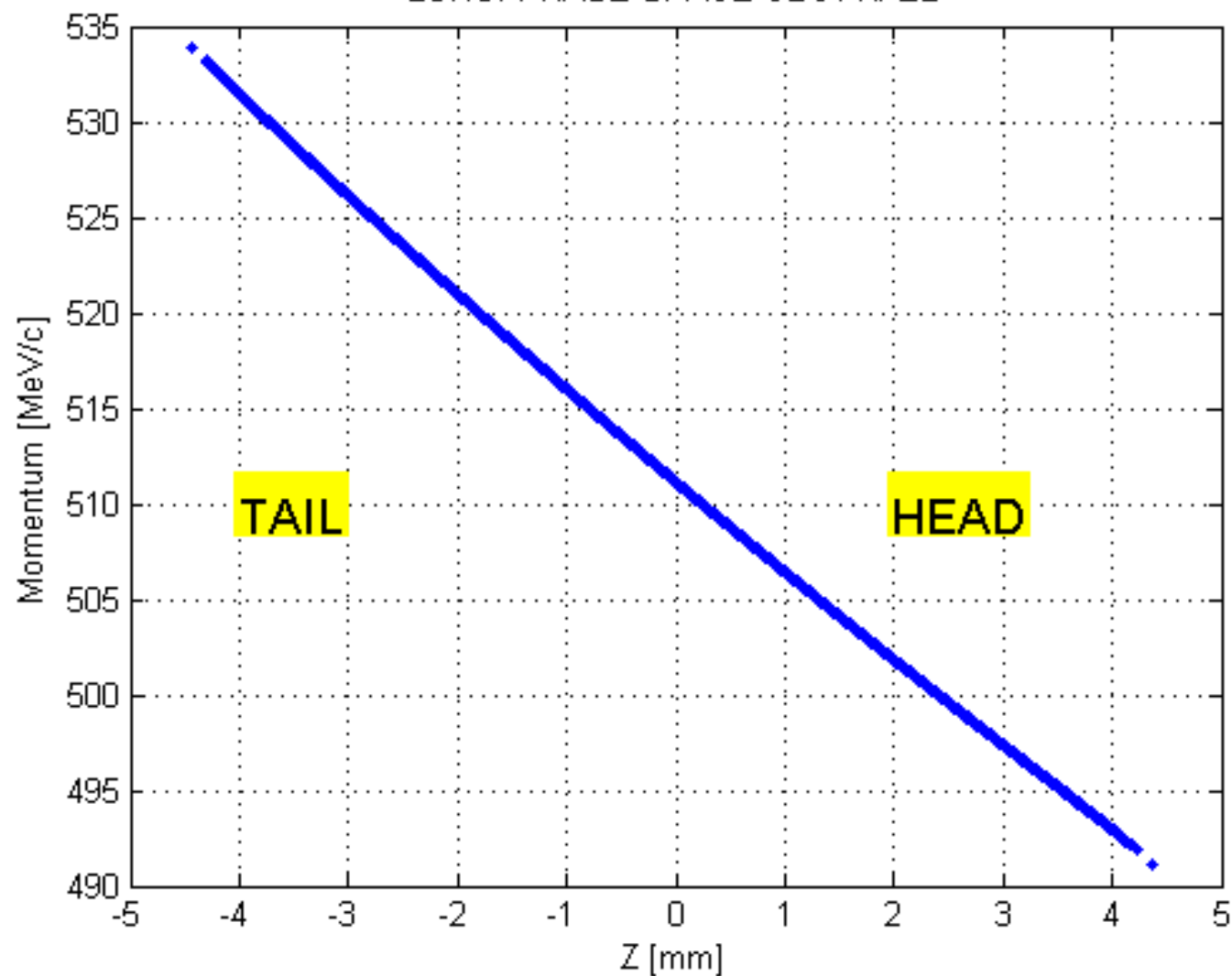
Slice Emittance UBC1 XFEL / 1 nC Case



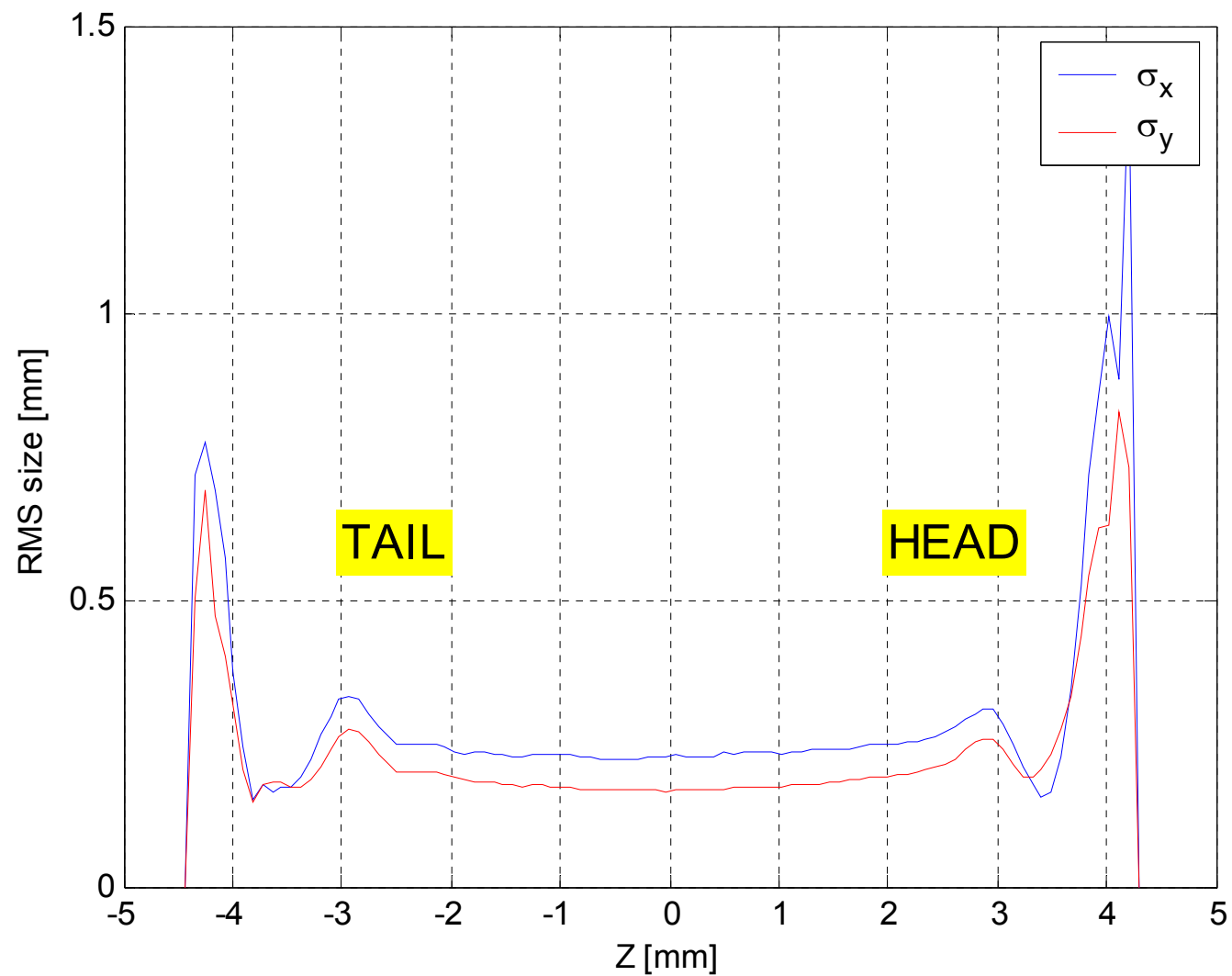
Slice Energy Spread UBC1 XFEL / 1 nC Case



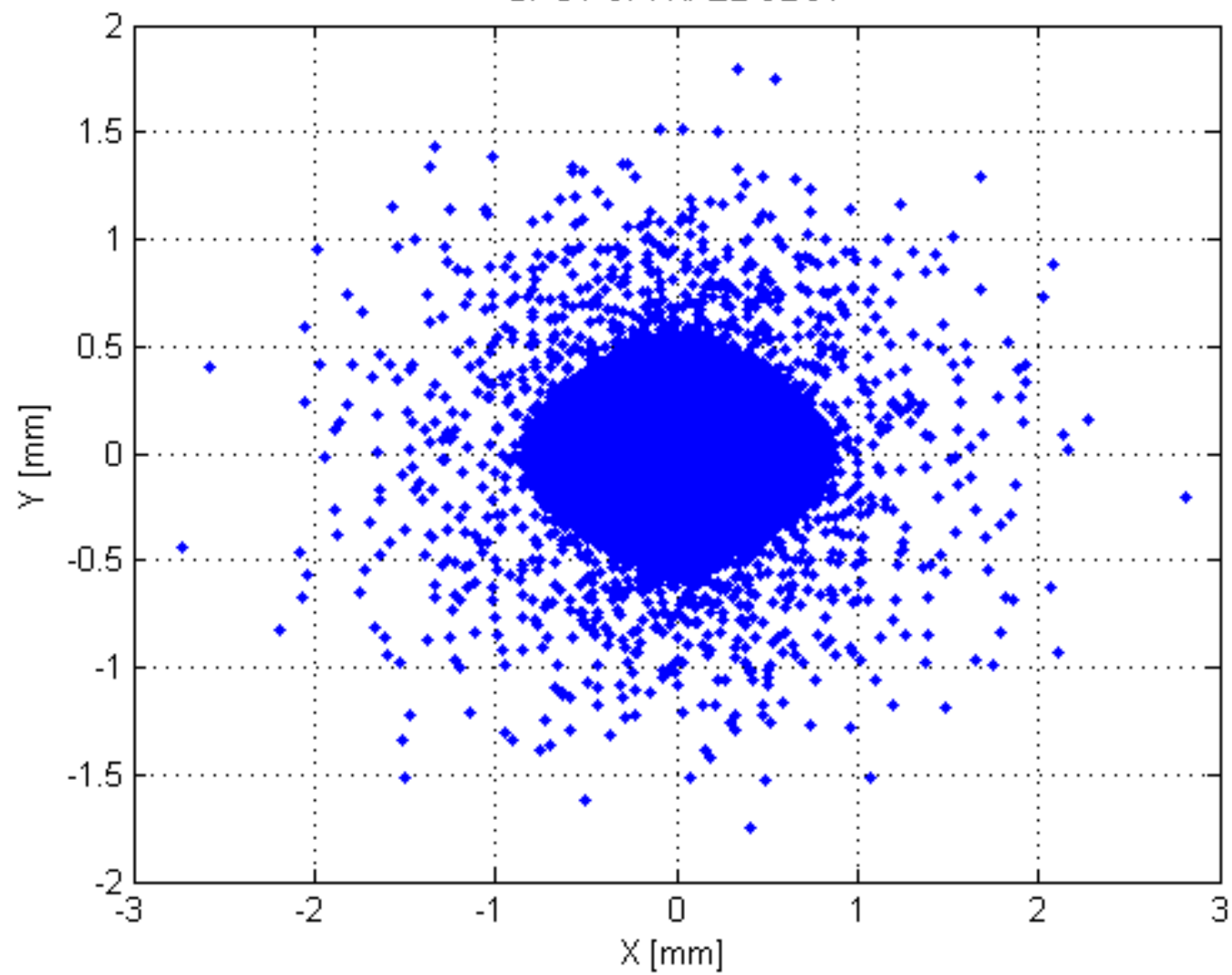
LONG. PHASE SPACE UBC1 XFEL



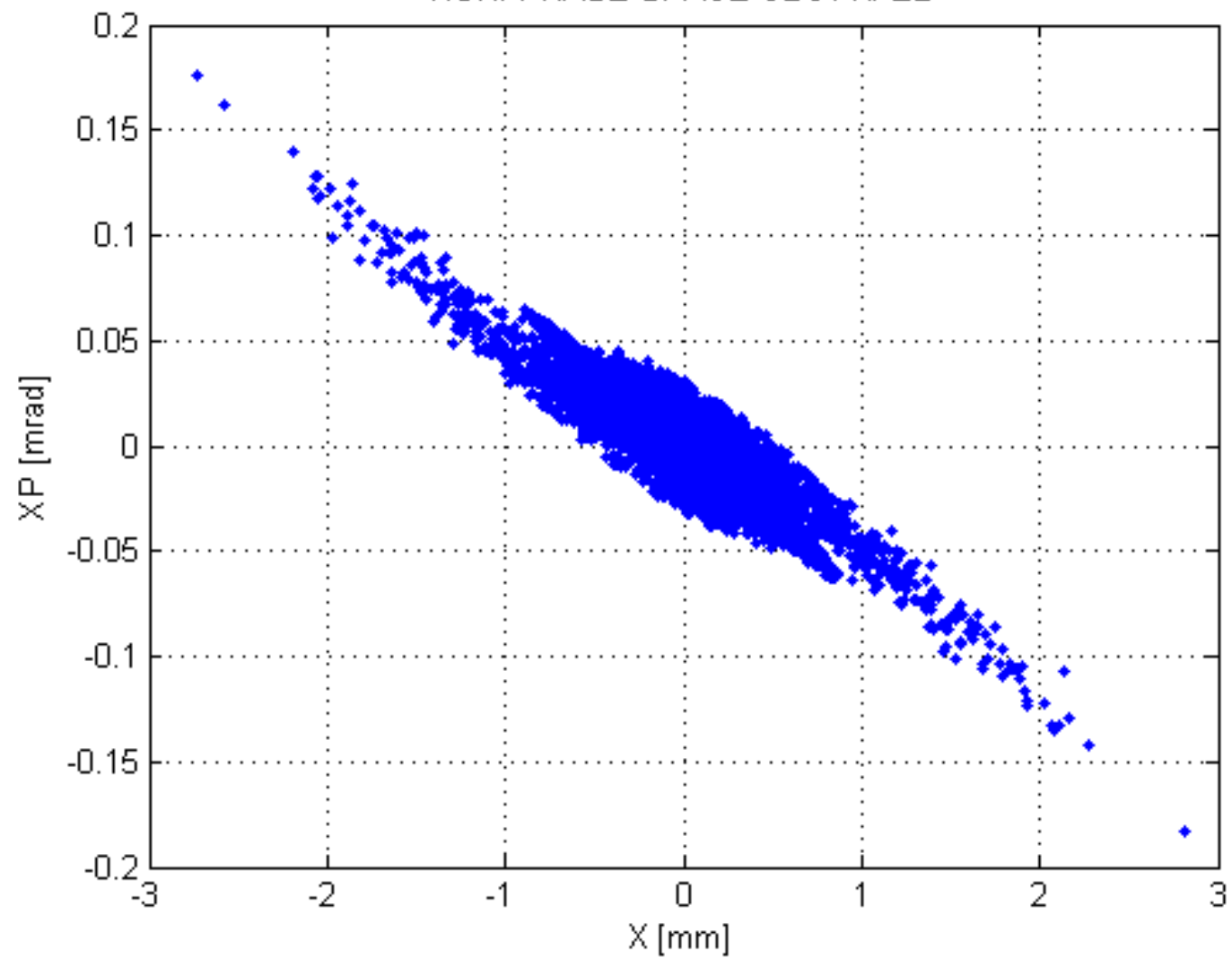
Slice RMS size UBC1 XFEL / 1 nC Case



SPOT UP. XFEL UBC1



HOR. PHASE SPACE UBC1 XFEL



VERT. PHASE SPACE UBC1 XFEL

