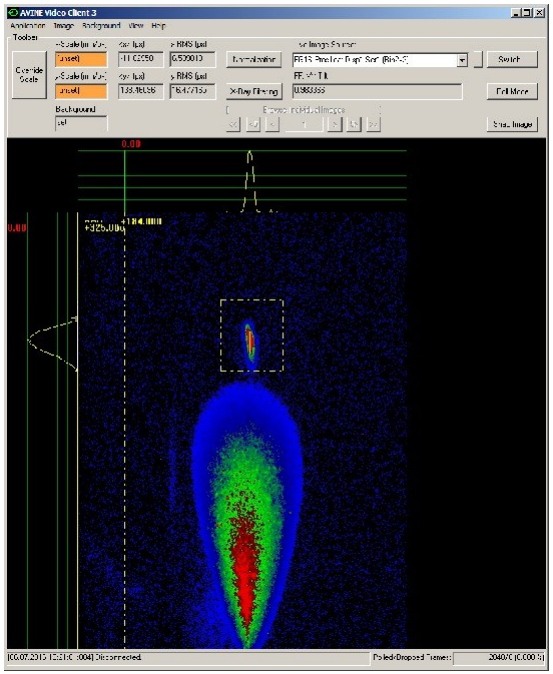
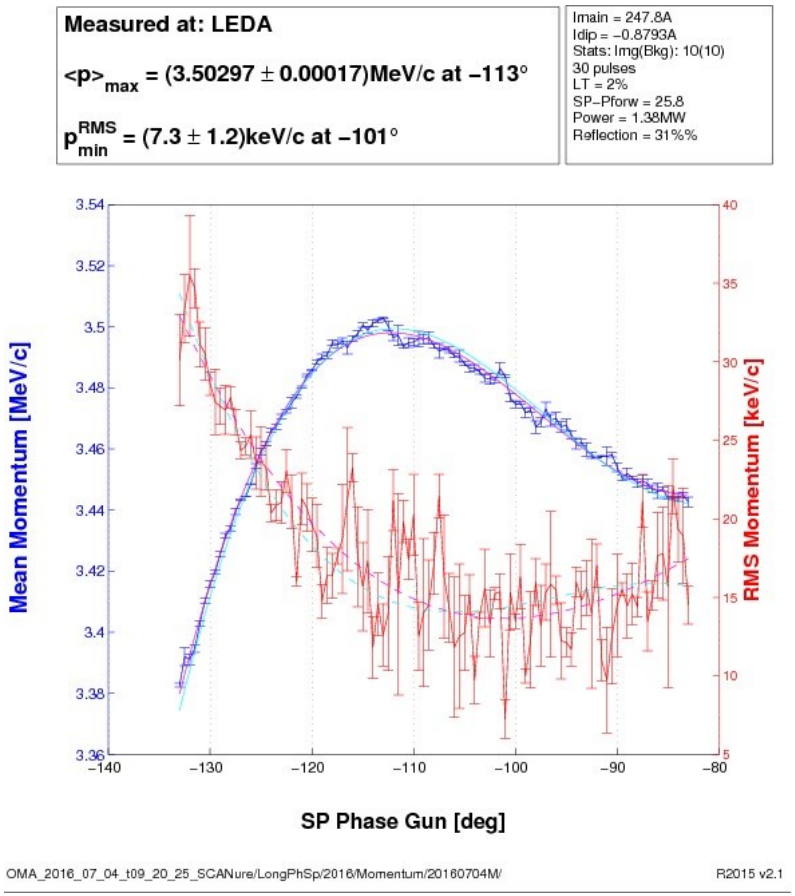
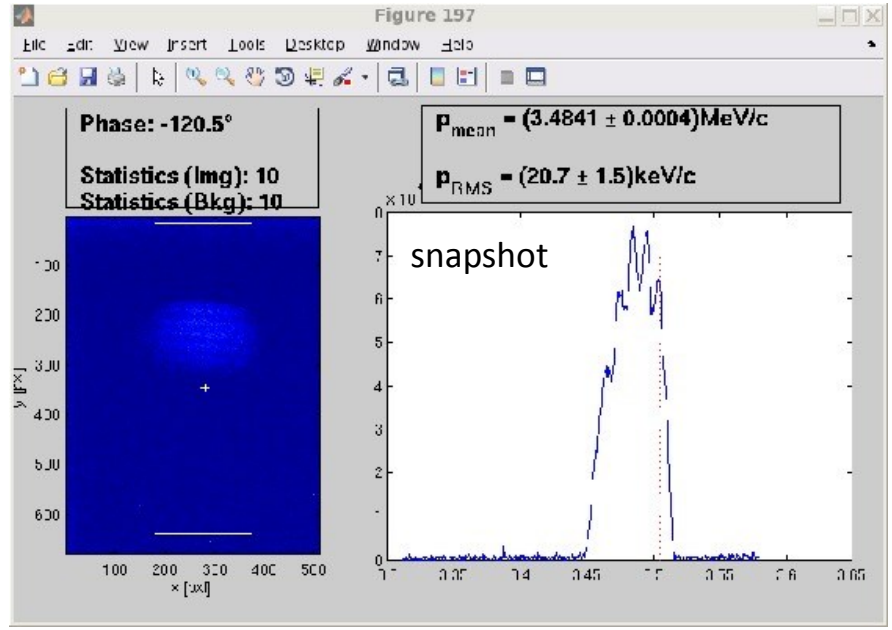
Beam satellites found at PITZ in July 2016

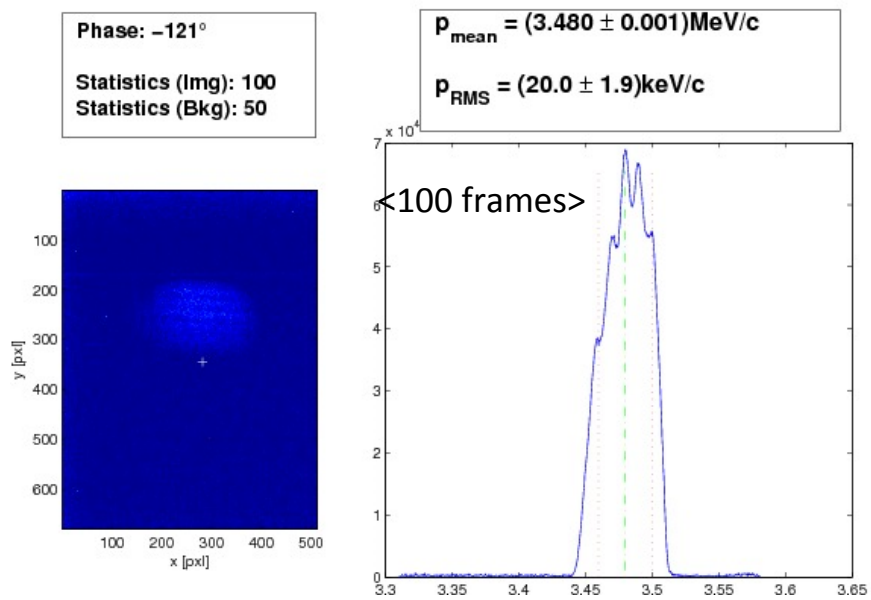
MK, 7.7.2016



Stable beam energy modulation observed in LEDA → MBI?



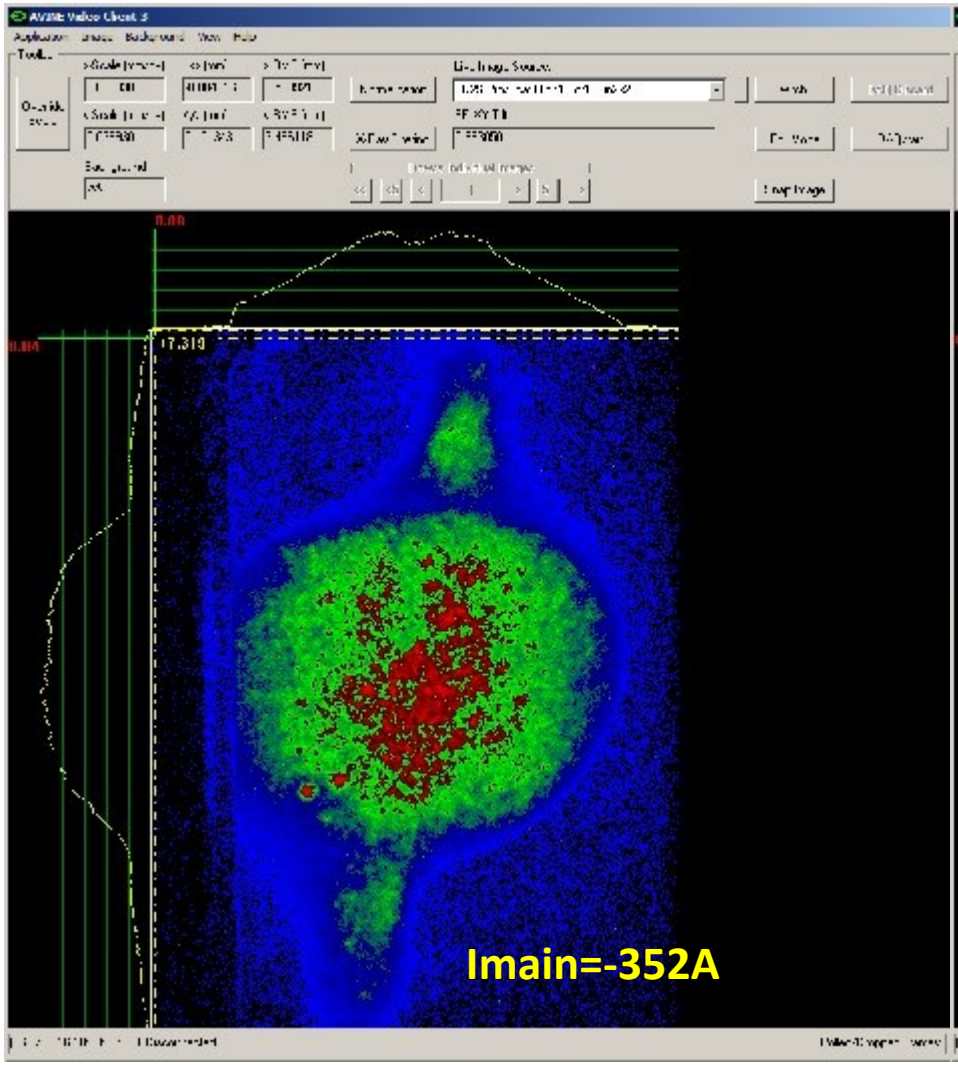


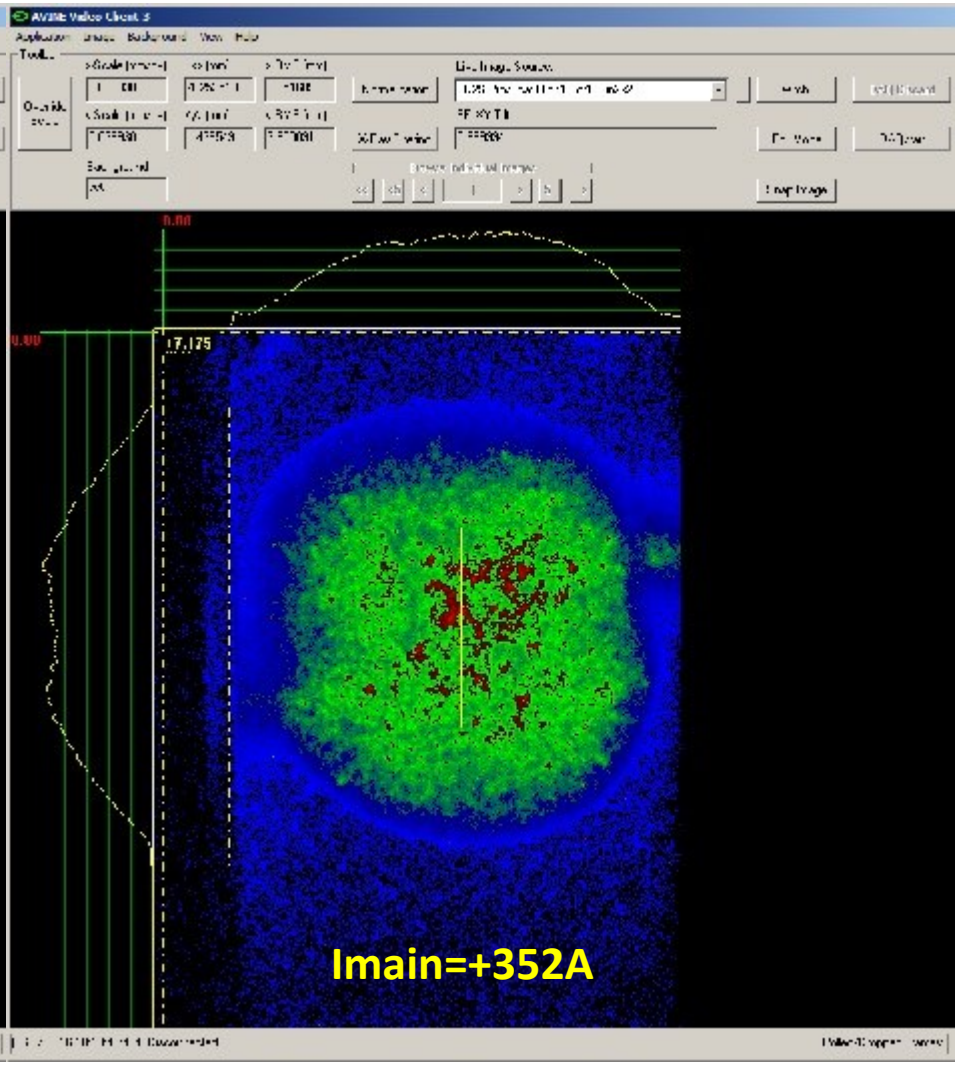


- 1.55MWg
- 650us
- FB=ON
- Does not depend on NoP (intensity only)
- LT increase → higher charge → disappears

E-beam asymmetry studies on 06.07.2016M-A

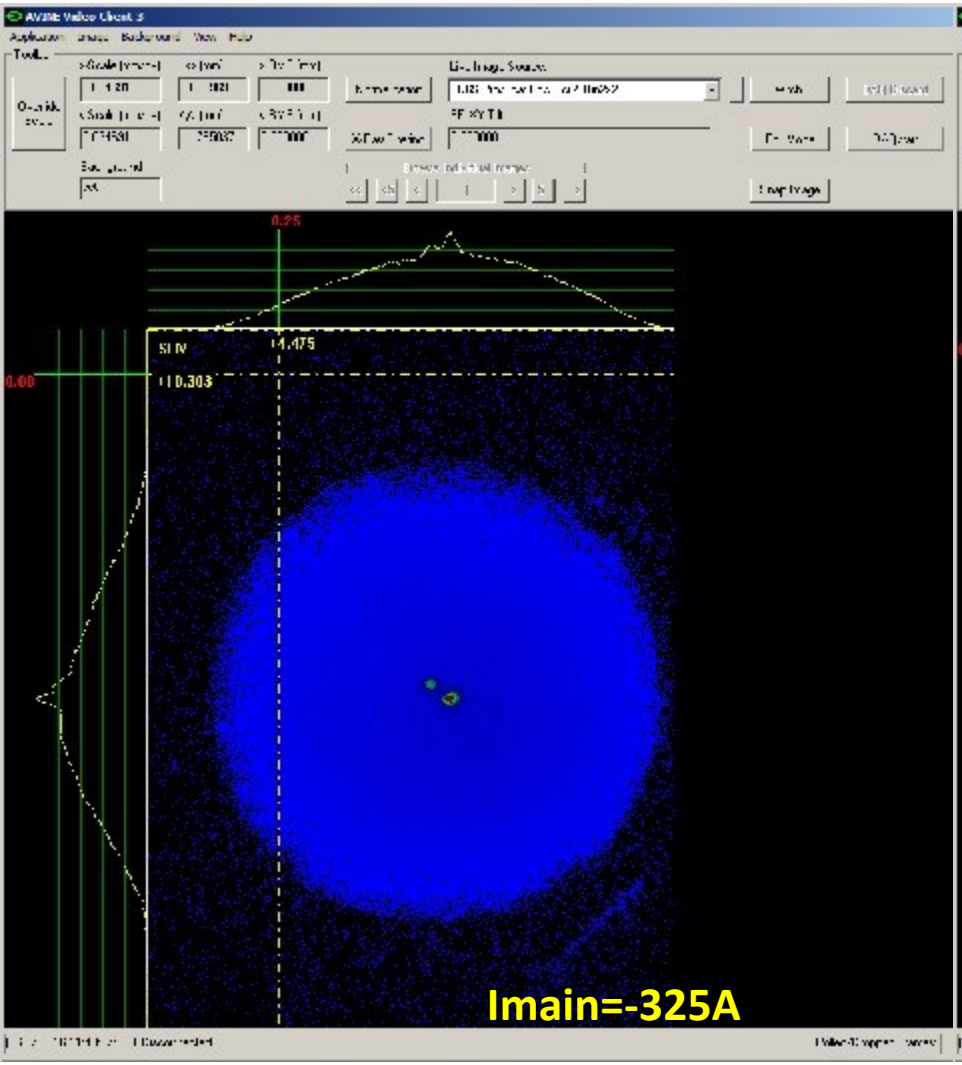
HIGH1.Scr1, 5MWg, MMMG, BSA=1.2mm; 500pC, no booster

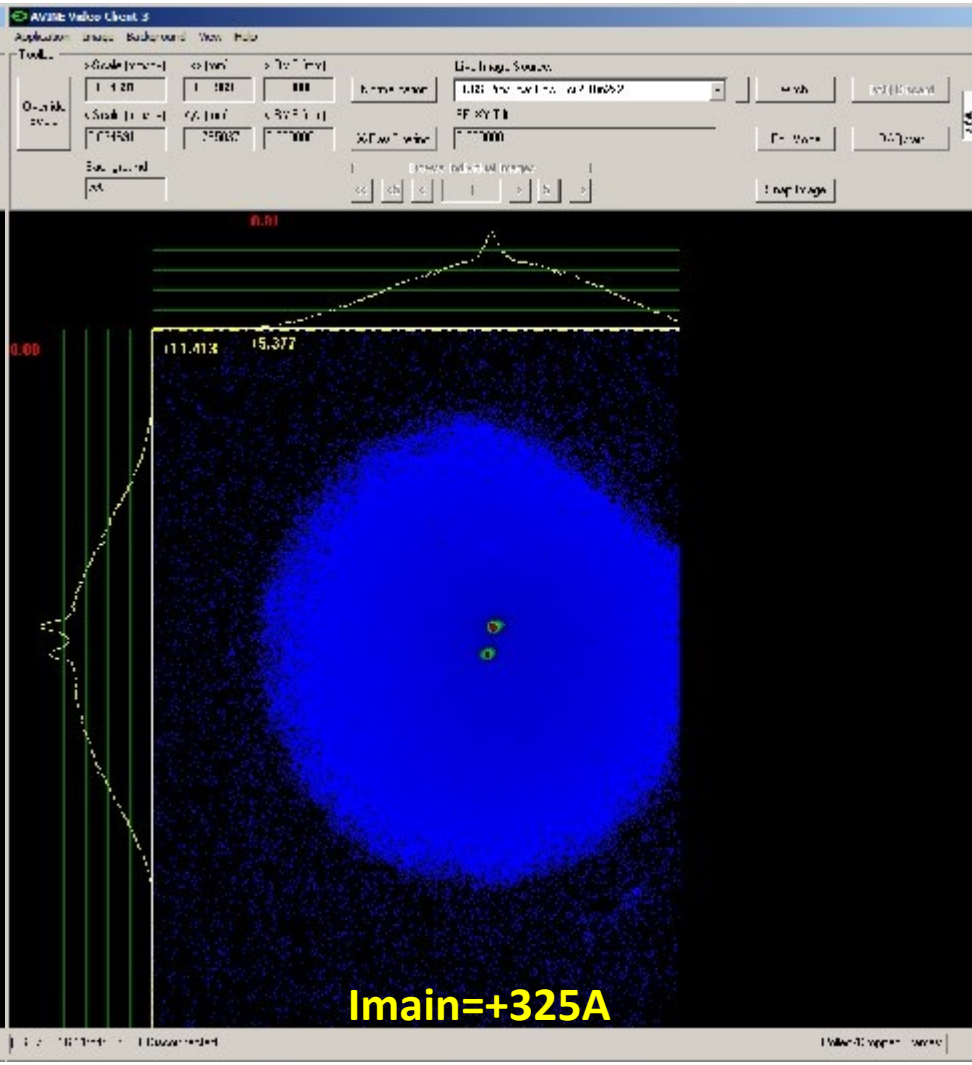




E-beam asymmetry studies on 06.07.2016M-A

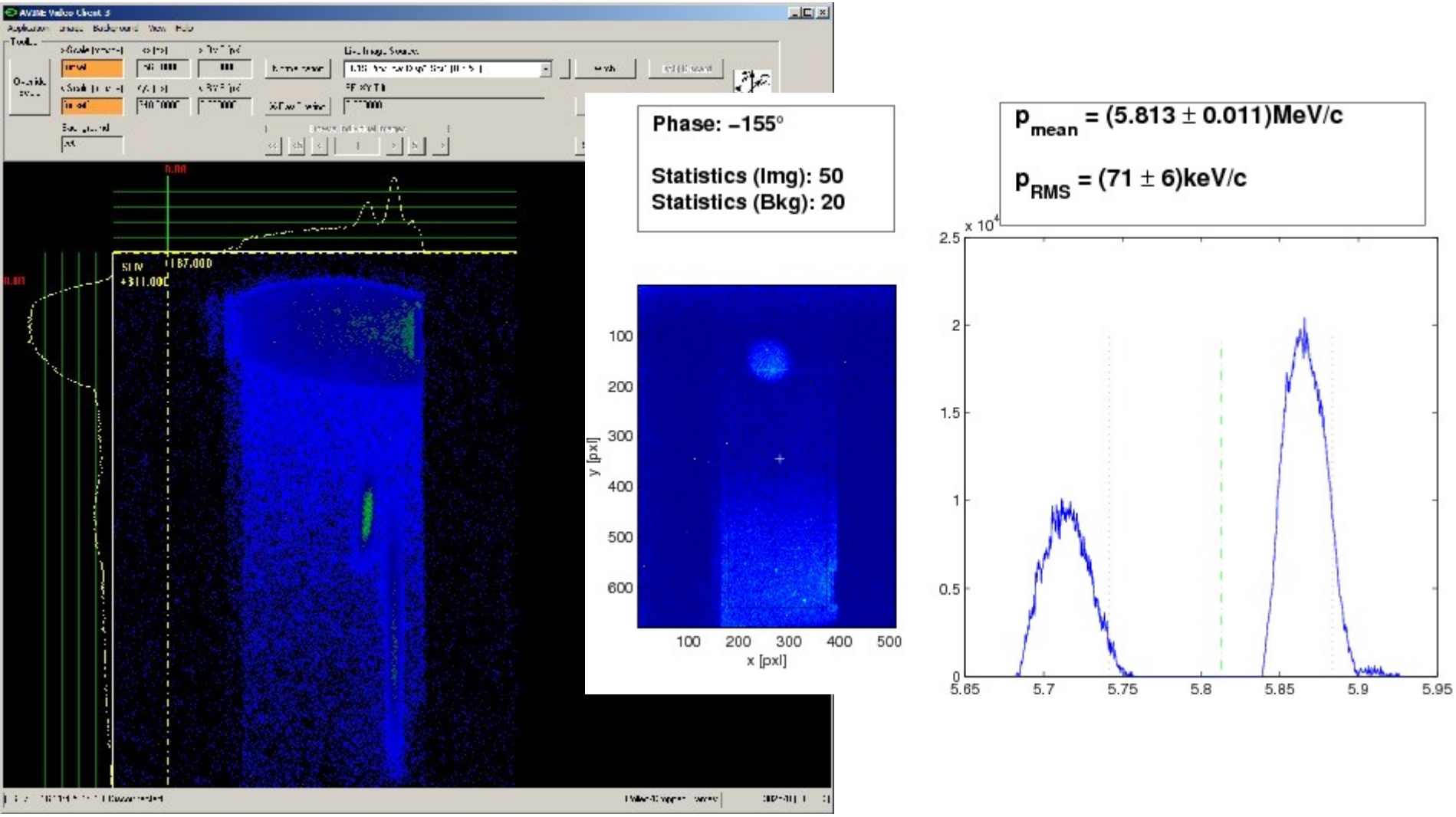
LOW.Scr2, 5MWg, MMMG, BSA=1.2mm; 500pC, no booster





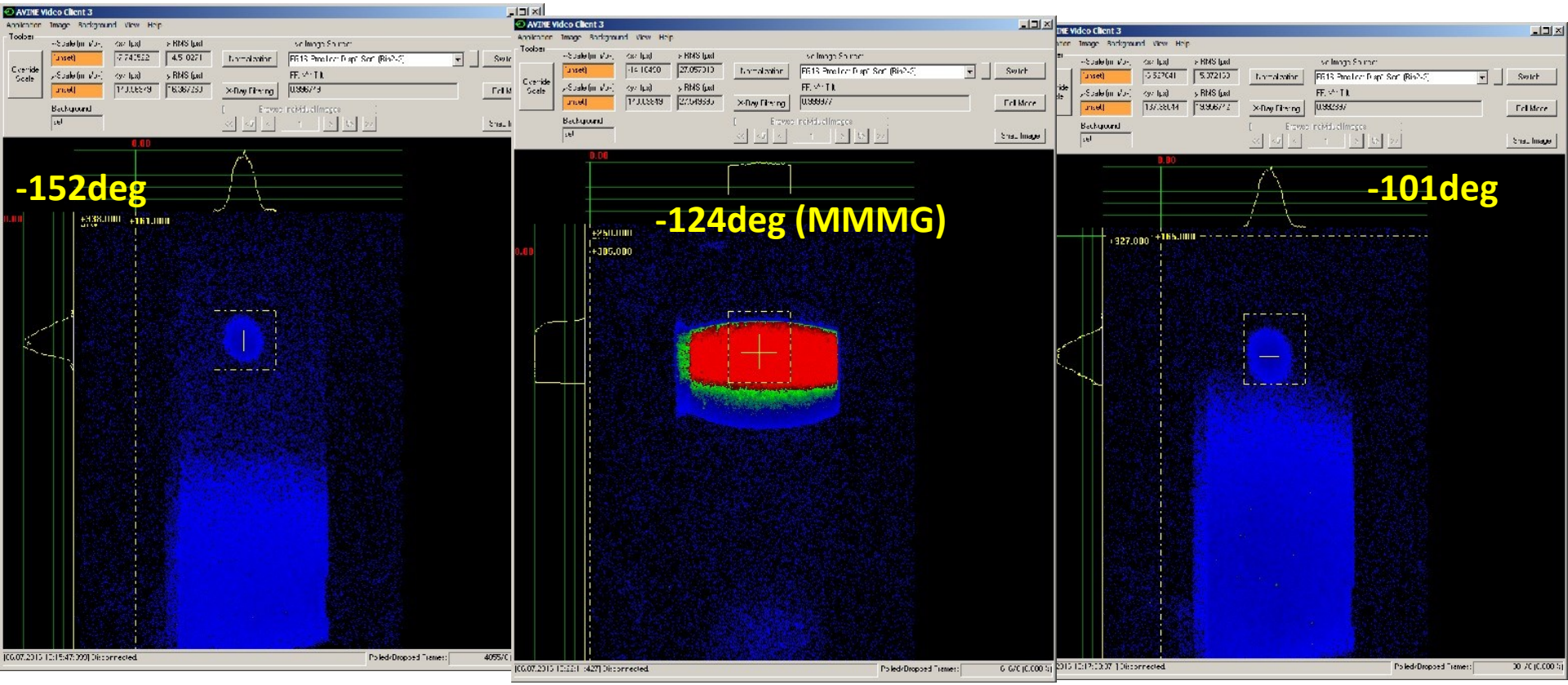
E-beam momentum distribution in LEDA

LEDA, 5MWg, BSA=1.2mm; 500pC, no booster



E-beam momentum distribution in LEDA

LEDA, 5MWg, BSA=1.2mm; 500pC, no booster



Found 2 satellites in LEDA with 51deg difference

→ No difference for reduction of the laser diode pump current

→ Origin?

→ Next steps?