



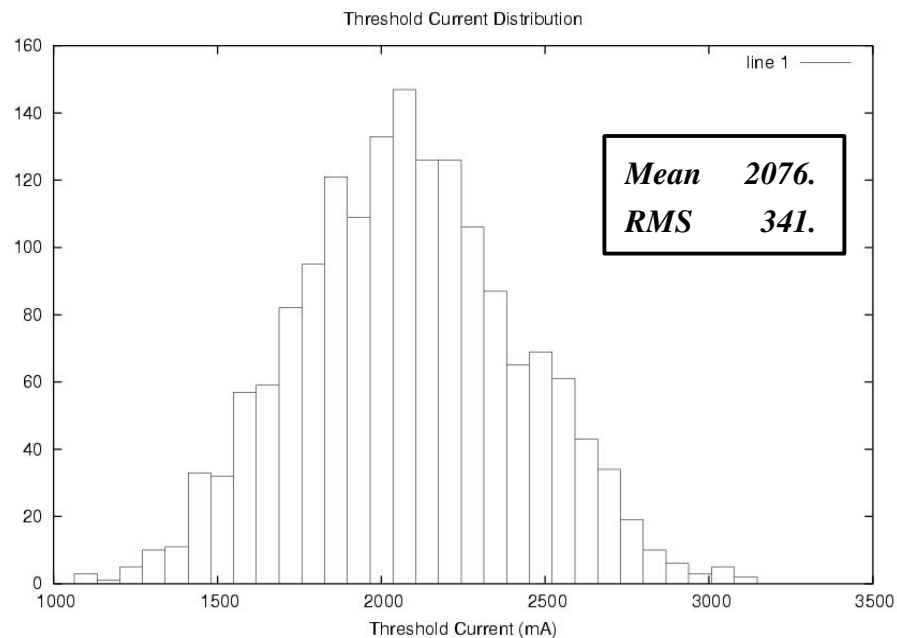
BMAD Beam-Breakup Calculation Update

Jim Crittenden
ERL @ CESR Meeting
23 July 2009

I. Statistical Comparison to ERL-06-01

II. Info on critical HOM/cavity for CM's Minimum ERL

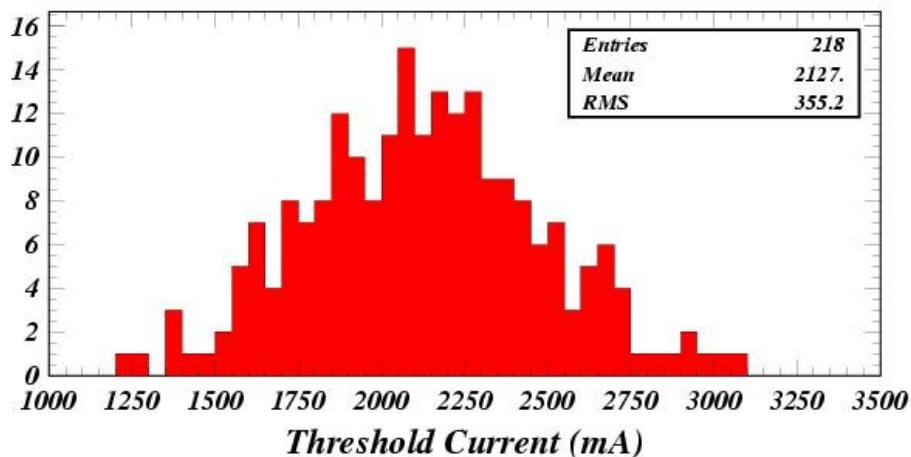


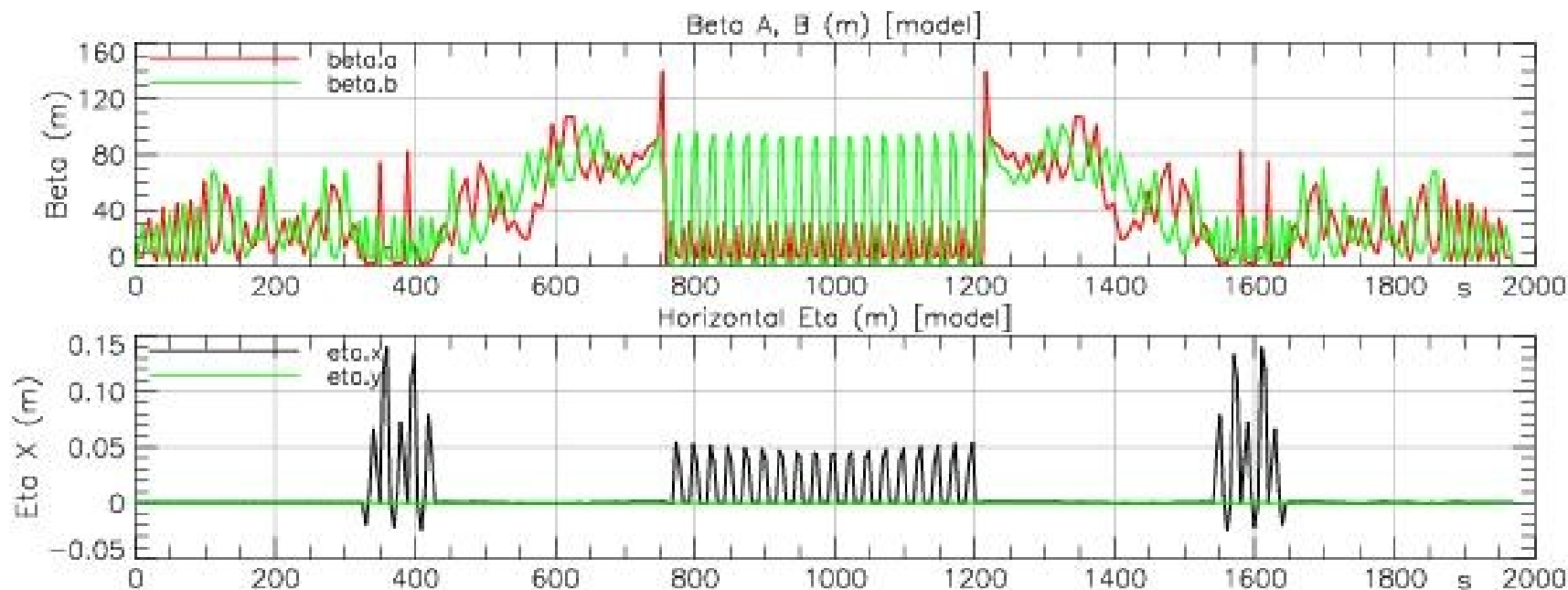


The BMAD BBU threshold calculation

reproduces both the average value

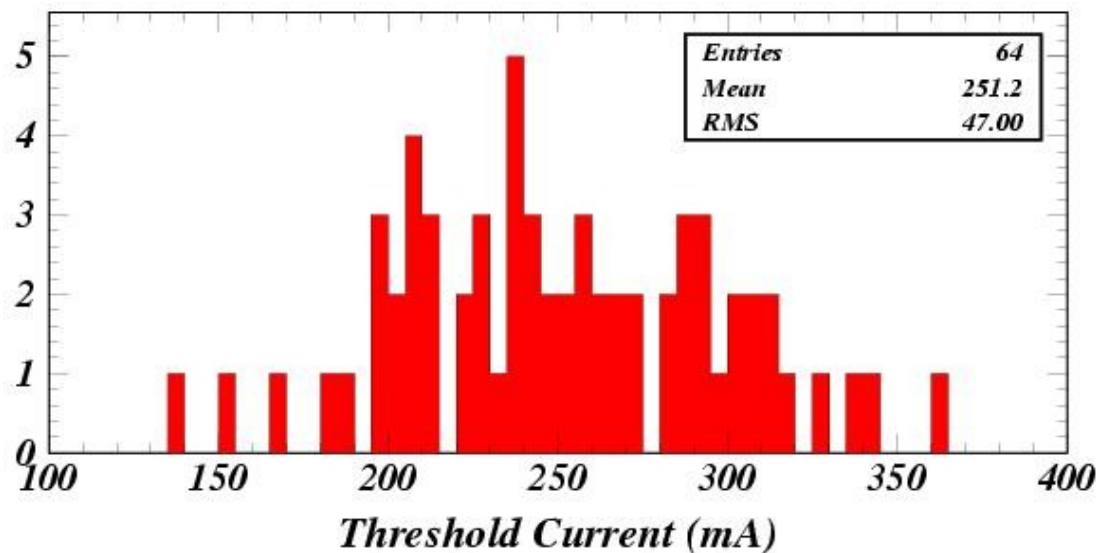
and spread of the ERL-06-01 calculations





Optimized symmetric linacs

Useful for studying BBU optimization methods



Threshold currents similar to CERN 7.4

*Critical cavity most often at high-energy
end of first linac*

