HINS with 8 ILC-units @ 31.5 MV/m : acceleration of H- (15mA) and electrons (1nC)

Jean-Paul Carneiro

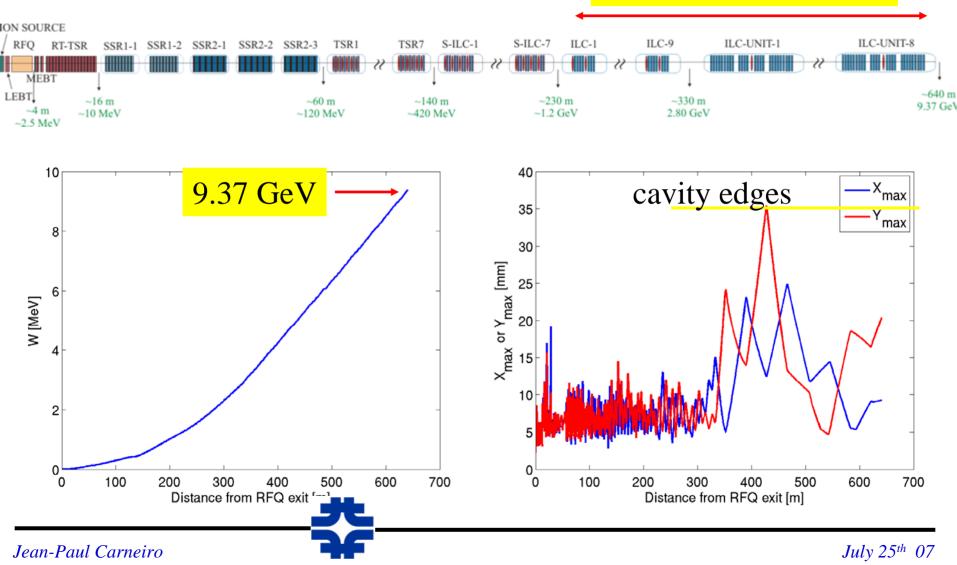
Accelerator Physics Center

July 25th 2007

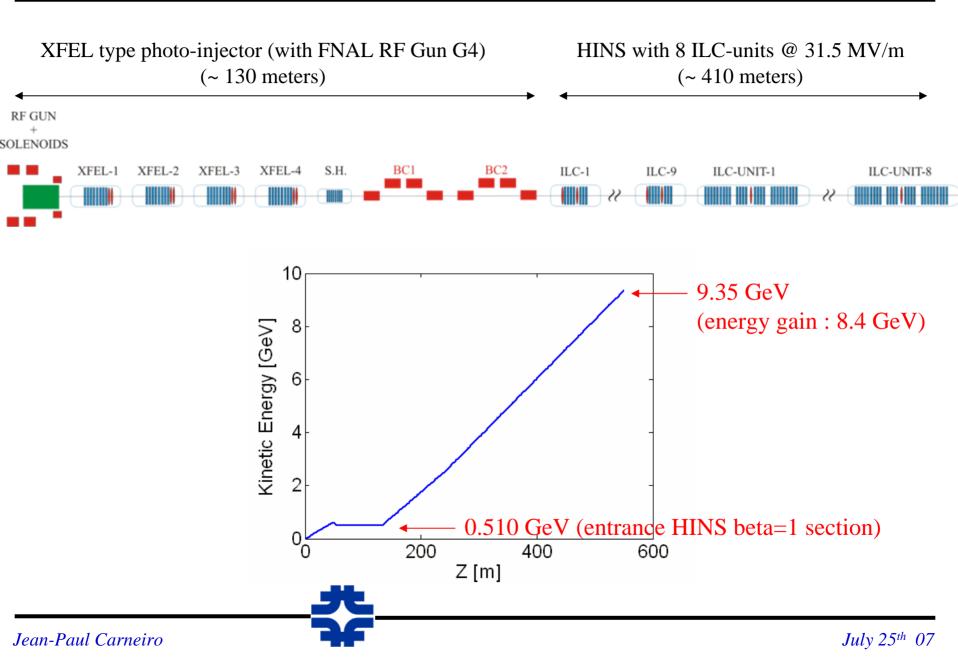
HINS with 8 ILC-Units @ 31.5 MV/m : H- (15 mA) / TRACK

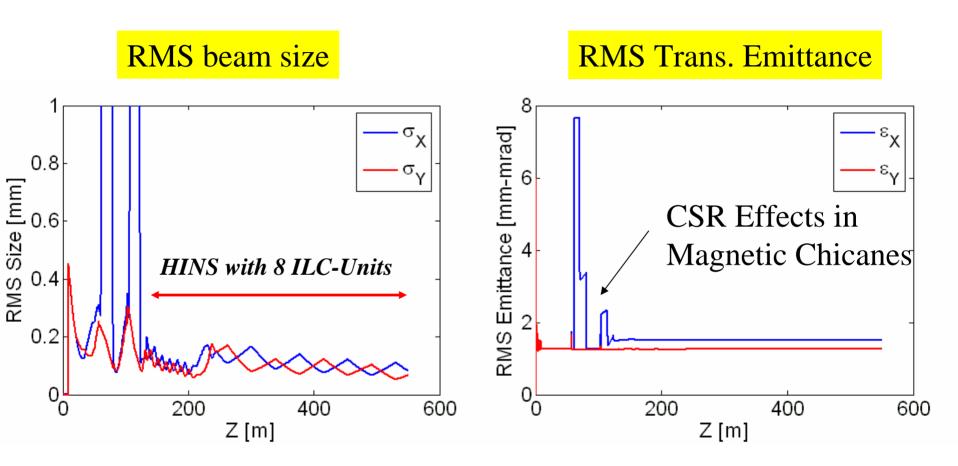
• 200k, 15 mA, beta=1 section @31.5 mV/m (lattice optimized for 45 mA beam current)

31.5 MV/m on beta=1 section



HINS with 8 ILC-Units @ 31.5 MV/m : Electrons (1 nC) / ASTRA & ELEGANT

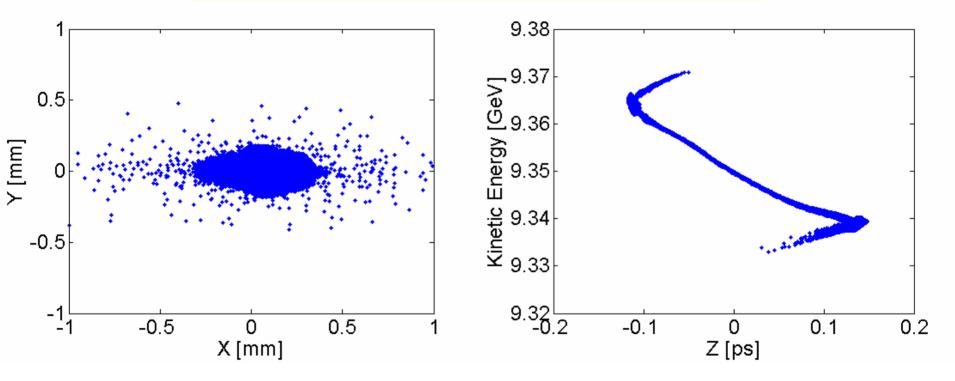




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Beam distribution at the exit of ILC-Unit-8 (includes CSR effects + T & L wakefields)



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July 25th 07

