EPOCH 2D Particle-in-cell (PIC) Simulation

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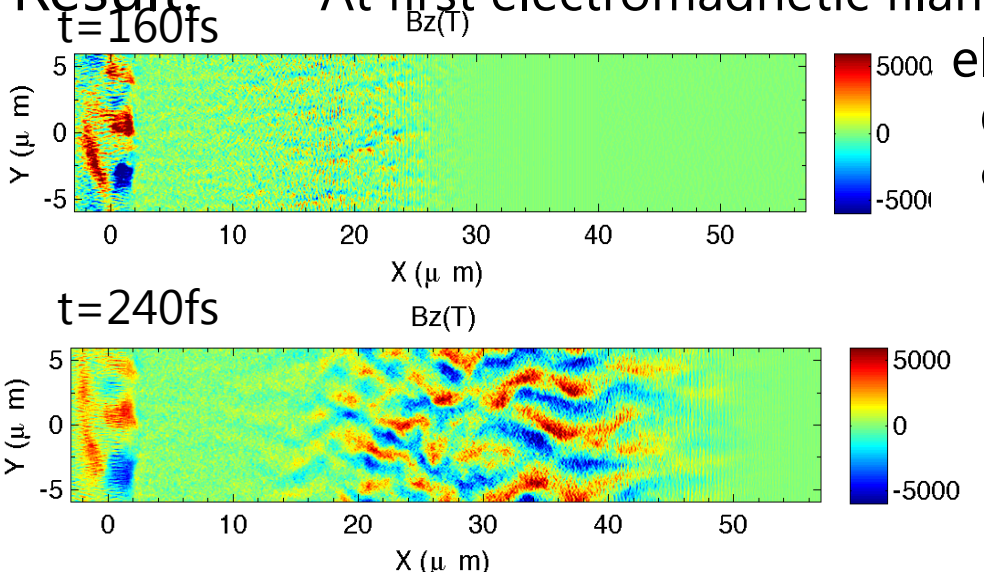
Purpose: Study of Weibel filamentation instability in high intensity laser-plasma interaction using EPOCH 2D PIC Simulation.

Outline: Evolution of Weibel filaments in high intensity laser- plasma interaction.

Result: At first electromagnetic filament develop in plasma for a electrostatic filament develop in



Computing system: VCC (FORTRAN 90)

Node-hour ~35 hours
Number of CPU = 20
Number of Nodes = 4
Type = intmpi
Memory = 60GB