

Efficient Modeling of Plasma-Wakefield Acceleration with Electron Injection in Density Transitions

Elevator pitch, LAOLA Meeting, 6. October 2014

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- Basis of quasi-static PIC code HiPACE
- Hybrid PIC approach
 - Simulations of electron injection in plasma density transitions at FLASHForward
 - Hybrid simulations of injection in density transitions for FACET experiment E215