EX24705

運動論的レーザープラズマ相互作用で発生する非熱的高速電子特性の解析

Analysis of non-thermal electron characteristics generated by kinetic laser-plasma interactions

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by plasma waves to stochastic acceleration.



Analysis: Trajectory

We investigated collective behavior: energy changes of 60,000 FEs during 200 $T_{\rm L}$.



 E_x -field is not advective, fluctuating. Fast electrons gain energy when they go through large negative field.