

Abstract Submitted
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Turbulent transport of energetic particles in global gyrokinetic particle simulations WENLU ZHANG, University of California, Irvine, VIKTOR DECYK, University of California, Los Angeles, YASUTARO NISHIMURA, ZHI-HONG LIN, University of California, Irvine — Multi-species capability has been added to the gyrokinetic toroidal code (GTC), which has been applied to study the behavior of energetic particles in burning plasmas. The effect of microscopic ion-temperature-gradient (ITG) turbulence on energetic particles transport is investigated using the large scale gyrokinetic particle simulations.

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