



The Neutral Particle Analyzer Simulation in TRANSP has Changed Going from Guiding Center to FLR

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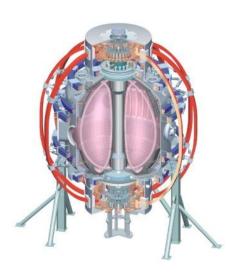
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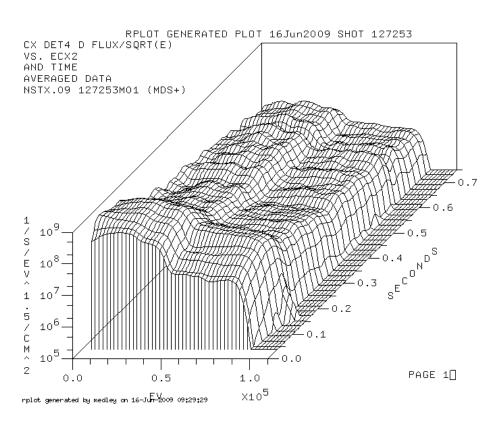
Princeton Plasma Physics Laboratory Energetic Particle SFG June 16, 2009

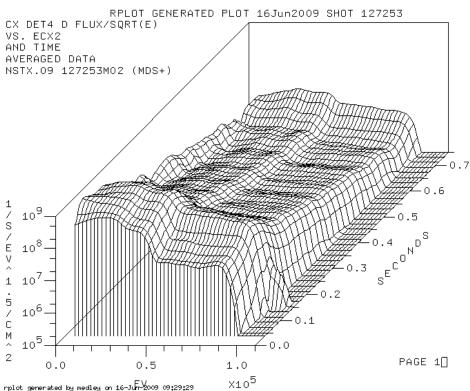




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TRANSP-simulated NPA Spectra For Guiding Center (left) and FLR (right) Modes

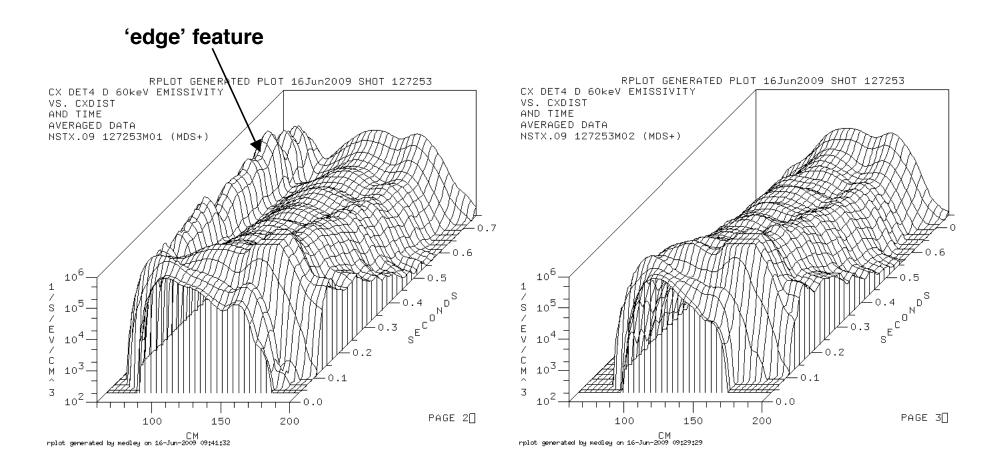




• The FLR spectrum exhibits a much greater depletion in time compared with GC.



TRANSP-simulated NPA Emissivity For Guiding Center (left) and FLR (right) Modes



• The GC spectrum exhibits an 'edge' feature that is absent in the GC case.

