A Critique: Some Residual Tokamak NTV Torque Issues

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• Theory:
  1) Does energy and pitch-angle smoothing (Cole et al.) make a difference?
  2) Shaing et al. Eulerian TTMP supersede Park et al. Lagrangian results?
  3) If external fields rotate, what is $\omega$ dependence of NTV torque?
  4) Mapping calculation of NTV induced by $\delta$-function TBMs?
  5) Can RFA effects be estimated analytically — for $n=1$ and $n>1$?

• Experiment, Modeling:
  1) Is NTV magnitude predicted with smoothing effects, TTMP and RFA?
  2) Can RFA effects with layer physics be automated and more accessible?
  3) Are NTV ripple effects in core predicted with self-consistent $\Omega_t (E_\rho)$?
  4) Can width of NTV peak at $E_\rho \simeq 0$ be clarified via a single $E_\rho$ root?
  5) Why do TF ripple and $n=1$ field errors cause density pumpout?
  6) Other NTV effects? — by RMPs?, ECH/ECCD? ($\rightarrow$ e root?) etc.