Extension of kinetic-MHD model to include toroidal rotation shear effect Shiraishi *et al*.

Energy exchange between MHD modes and particles' motion, δW_k , is generalized by introducing sheared equilibrium rotation.

$$\delta W_k = \delta W_{k0} \quad : \text{ conventional} \\ + \delta W_{k1} \quad : \text{ Coriolis} \quad] \quad \text{get}$$

- $+ \delta W_{k2}$: centrifug
- : controlls: centrifugal: centrifugal: center Lagrangian
- $+ \delta W_{k3}$: rotational modification to equilibrum distribution function

= new terms

RWM growth rate vs. rotation shear at q=2 for conventional and extended kinetic-MHD model. Extended model shows enhancement of stabilization effect of rotation shear.

