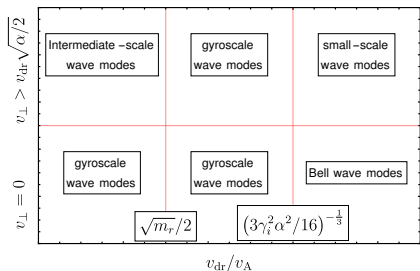
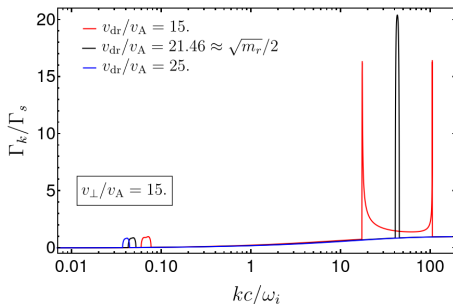
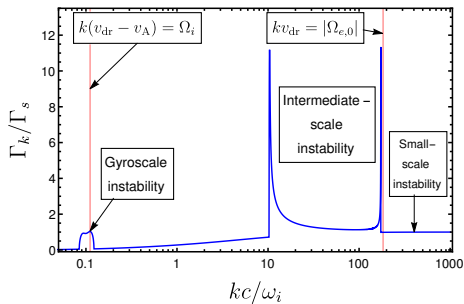


A New Cosmic-Ray-driven Instability



- Comoving ion-cyclotron wave if $v_{dr} < v_A^e/2$
- enhancing CR-induced pr. gradients
- Strong coupling of MeV CRs to partially ionized plasma
- Control e-heating in non-rel. shocks