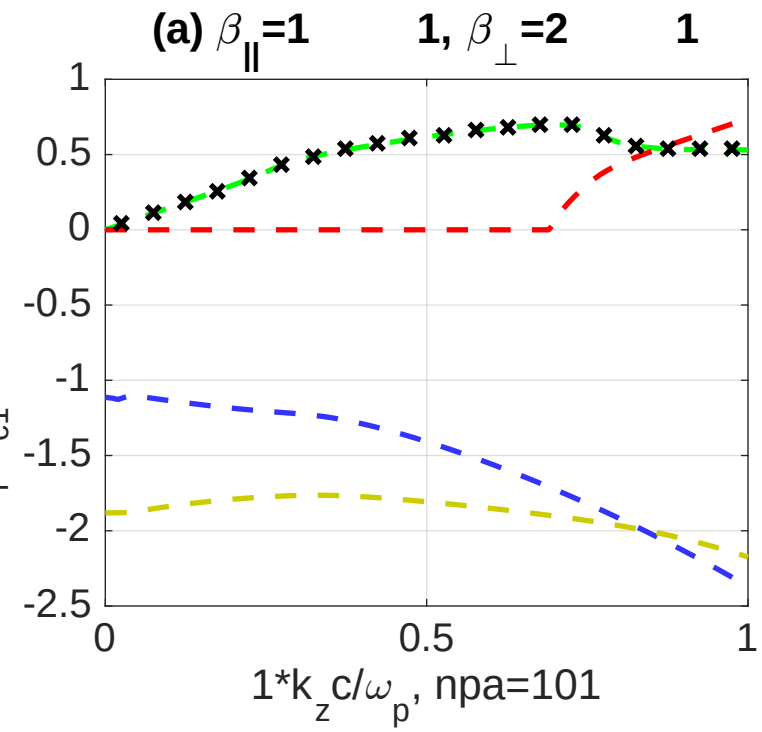
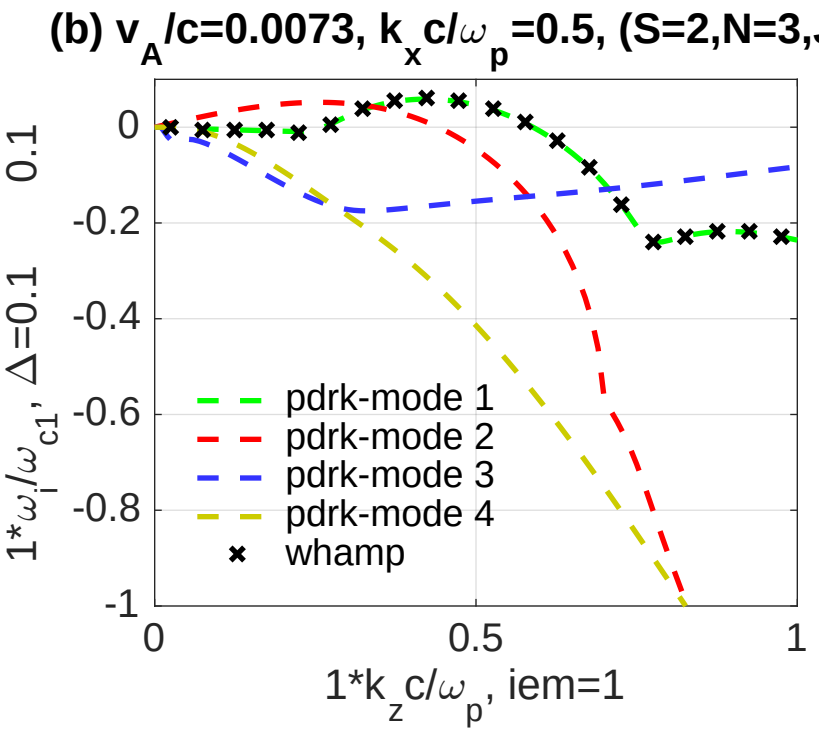

(a) $\beta_{||}$=1 1, $\beta_{\perp}$=2 1
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
0
0.5
1
1*k_z c/ω_p, npa=101


(b) v_A/c=0.0073, k_x c/ω_p=0.5, (S=2,N=3,J
0.1
0
-0.2
-0.4
-0.6
-0.8
-1
1*ω_i/ω_c1, Δ=0.1
pdrk-mode 1
pdrk-mode 2
pdrk-mode 3
pdrk-mode 4
whamp
0
0.5
1
1*k_z c/ω_p, iem=1