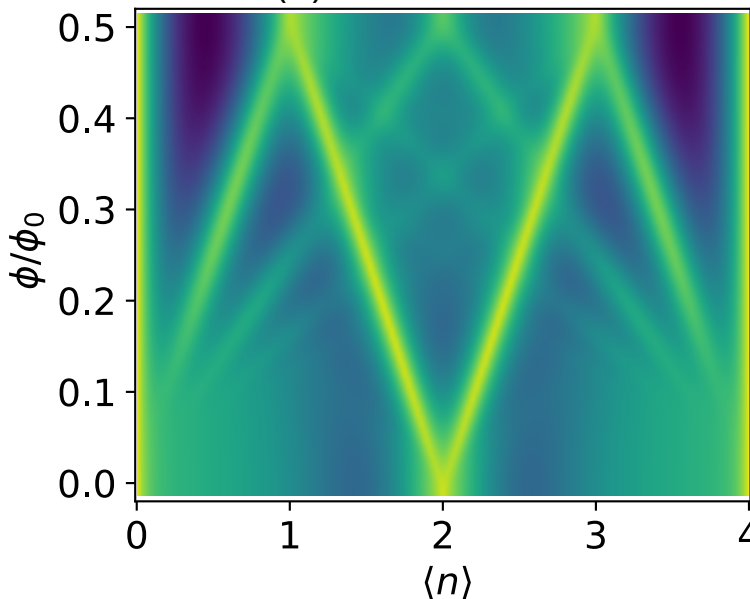
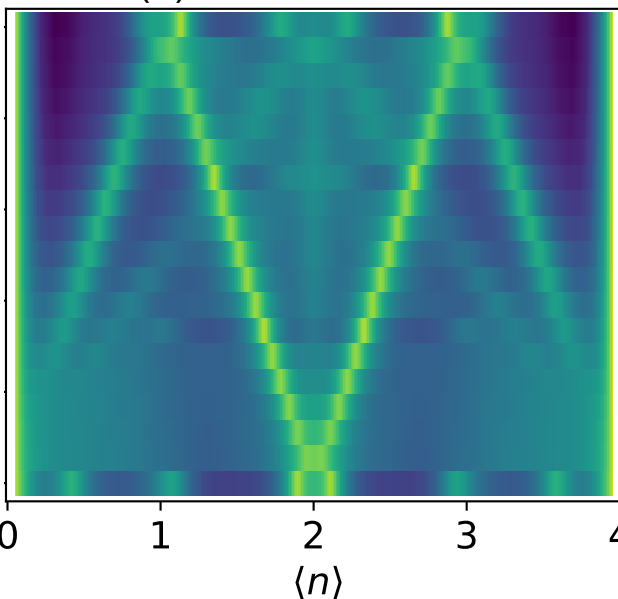
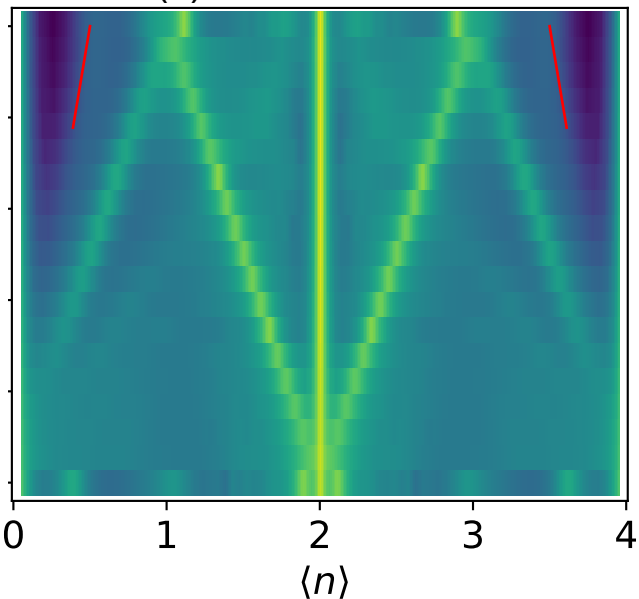
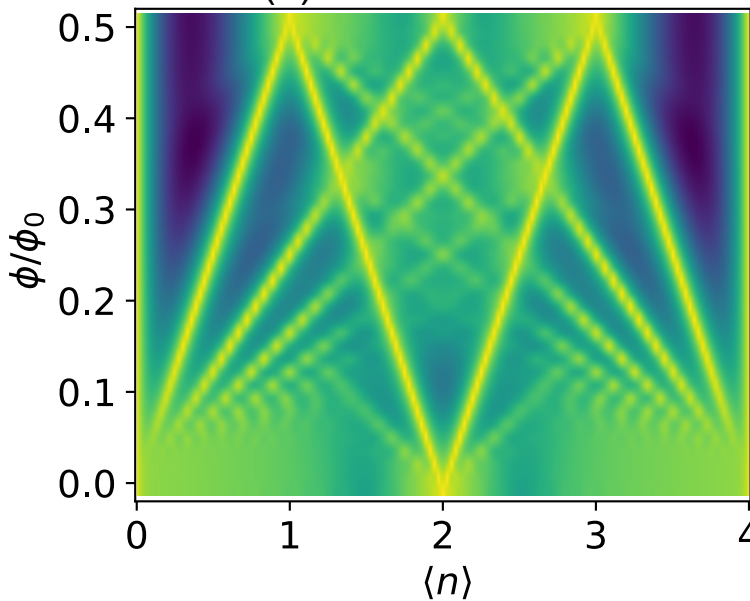
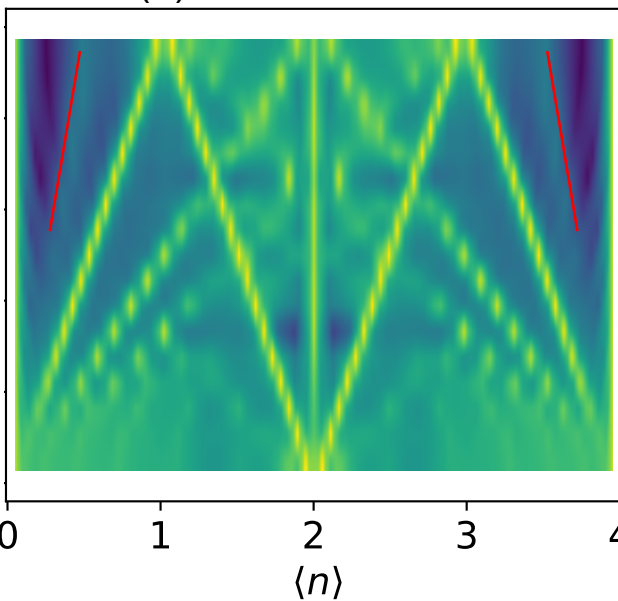


(a)  $U = 0, \beta = 8$ (b)  $U = 2, \beta = 8$ (c)  $U = 4, \beta = 8$ (d)  $U = 0, \beta = 20$ (e)  $U = 2, \beta = 20$ (f)  $\chi_s(U = 2, \beta = 20)$ 