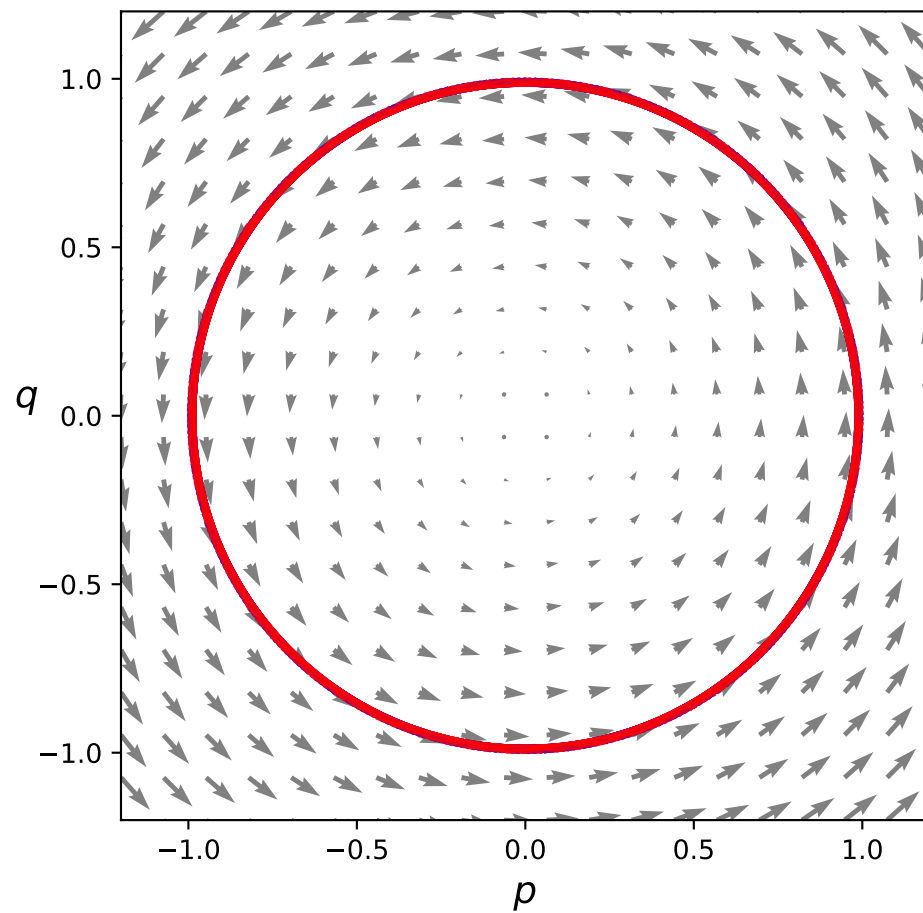
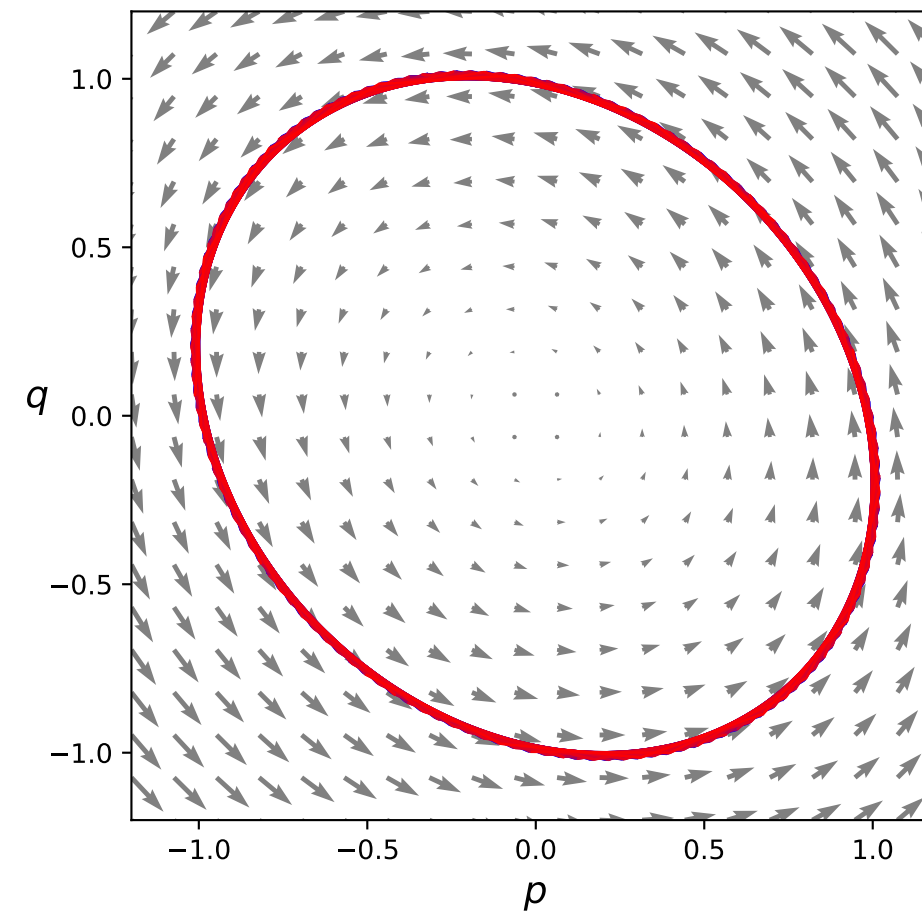


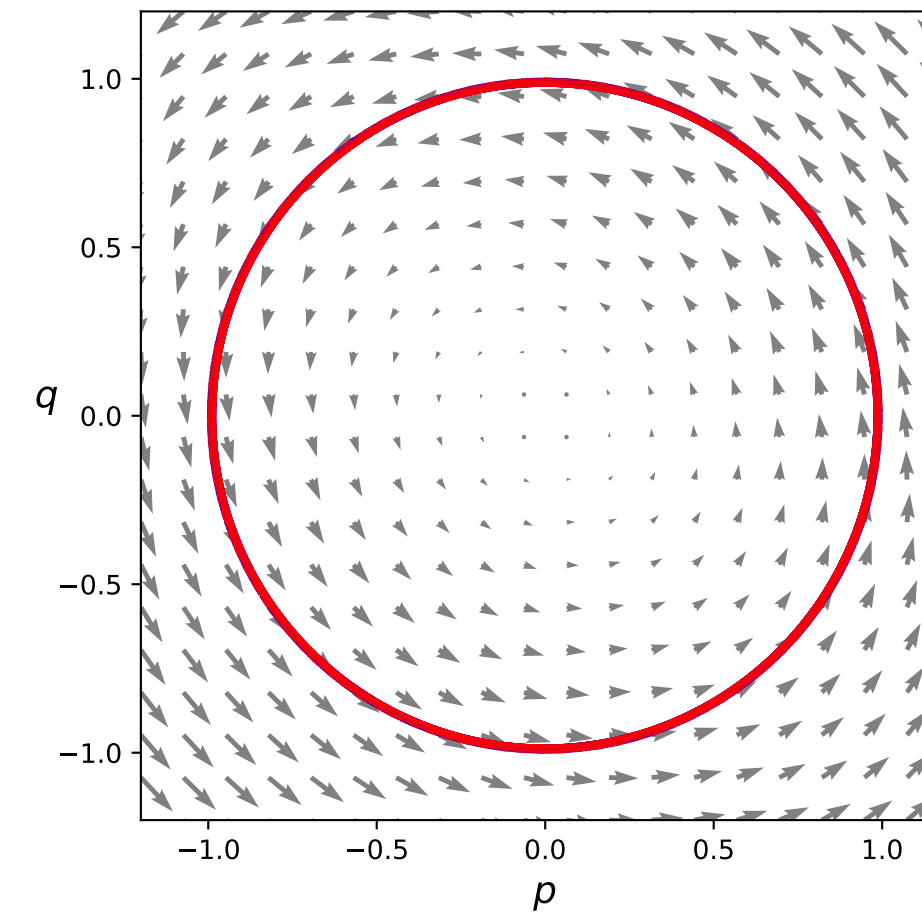
True Trajectory  
(Integrated with RK45)



Symplectic HNN:  $h = 0.4, t_f = 300$   
Trained with euler-symp, Integrated with RK45



Symplectic HNN:  $h = 0.4, t_f = 300$   
Trained with euler-symp, Integrated with euler-symp



$p$  Coordinate vs. Time  
(Note: smaller  $t$ -interval for more clarity)

