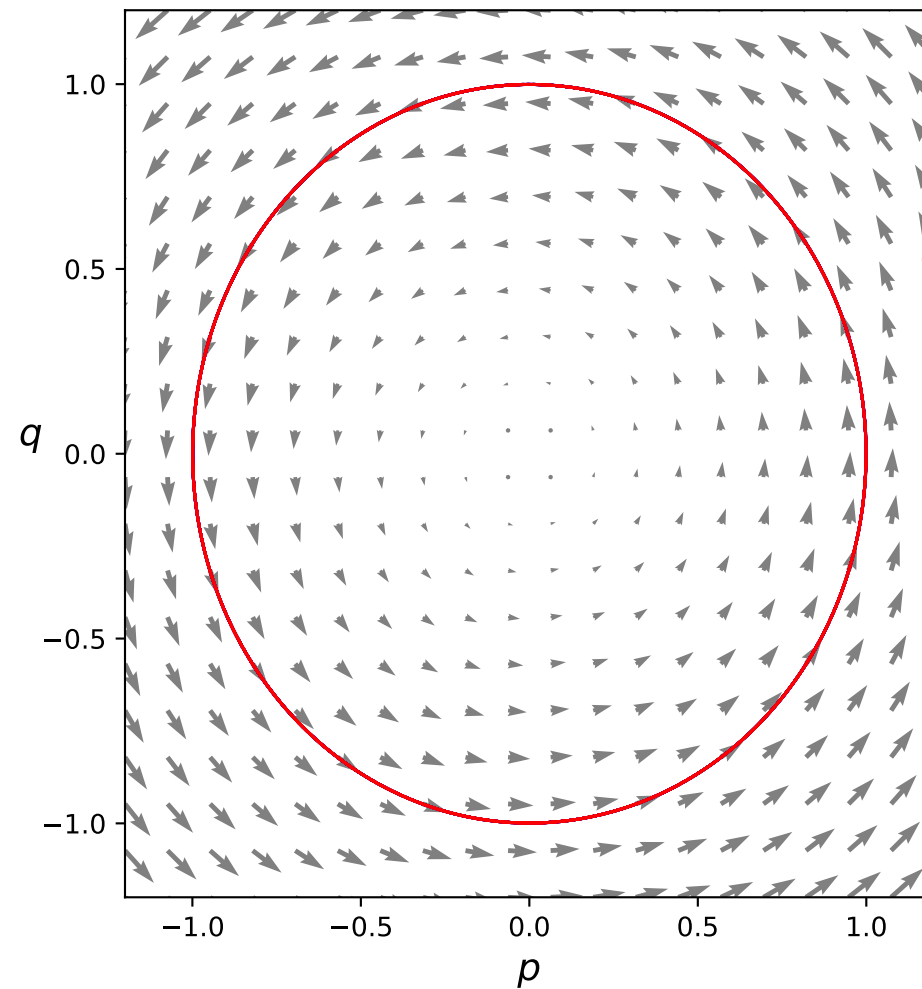
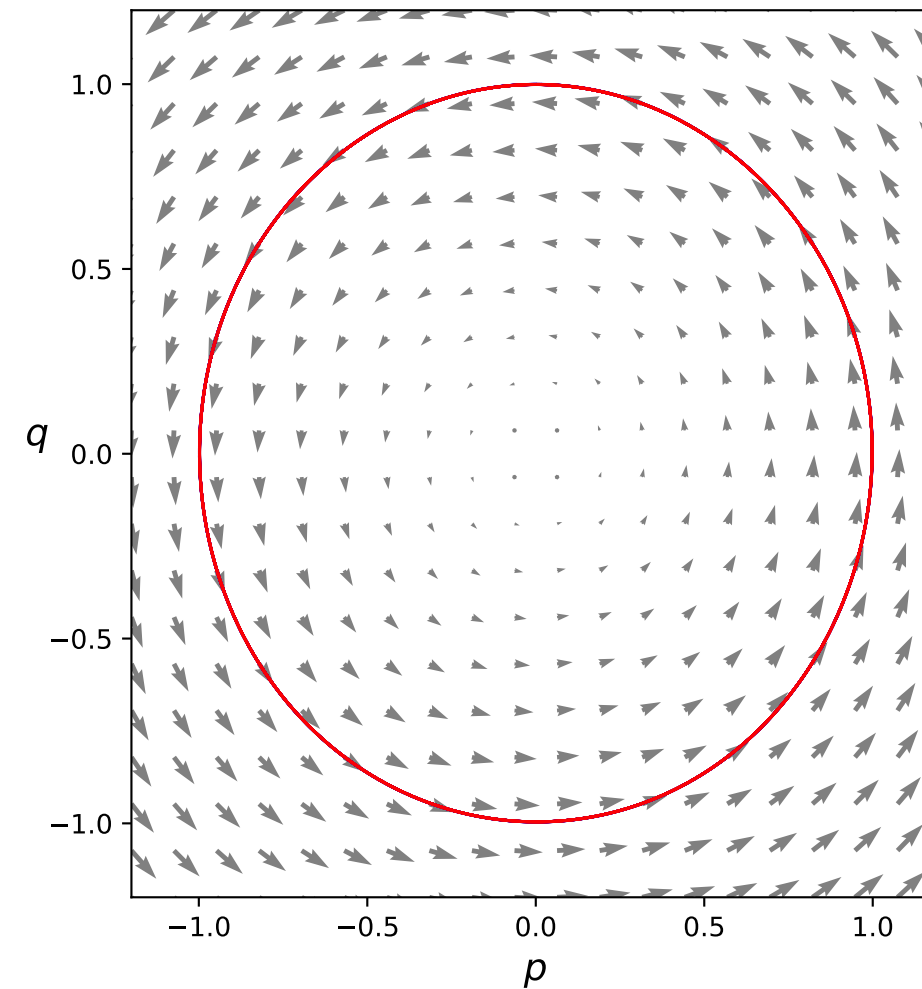


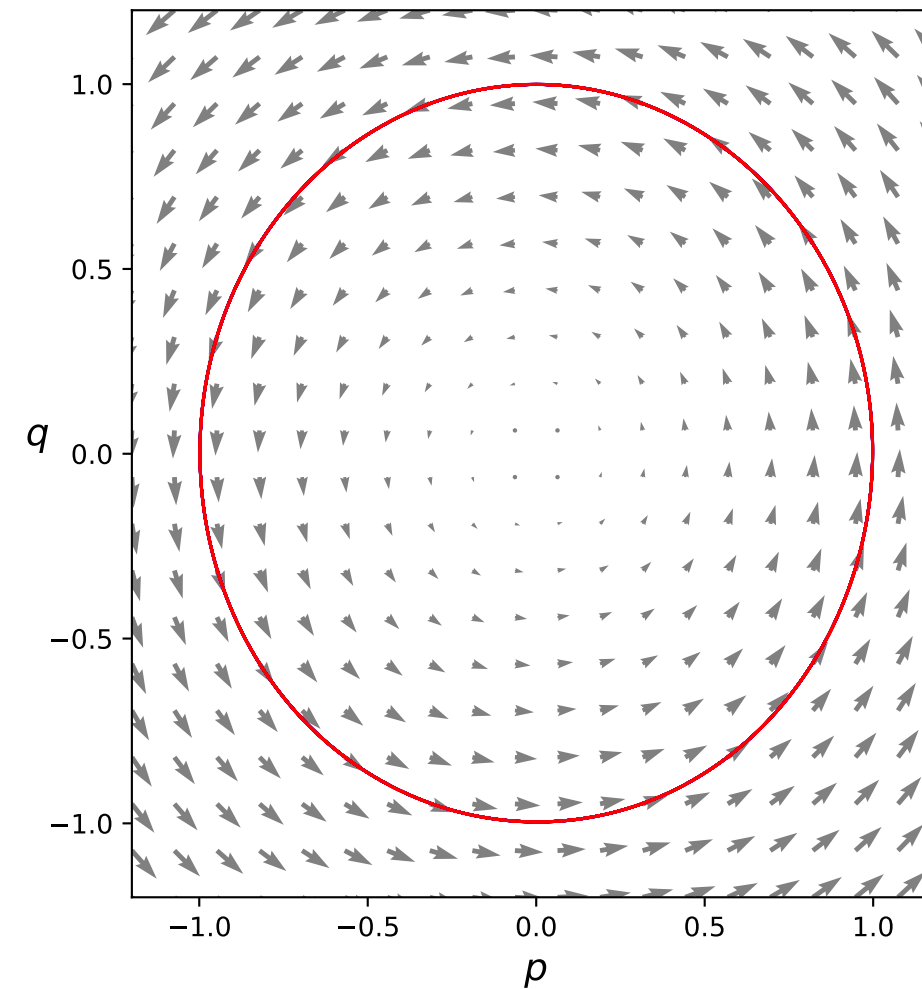
True Trajectory  
(Integrated with RK45)



Symplectic HNN:  $h = 0.1, t_f = 300$   
Trained with midpoint, Integrated with RK45



Symplectic HNN:  $h = 0.1, t_f = 300$   
Trained with midpoint, Integrated with midpoint



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

