**NeuralODE** Phase space **Total Energy** 17.320 6 prediction real 17.315 4 7.310 2 7.305 predicition 7.300 I Q ground\_truth 7.295 **-**2 17.290 -4 1 7.285 17.280 -6 5 \_<sub>5</sub> 6 0 time q