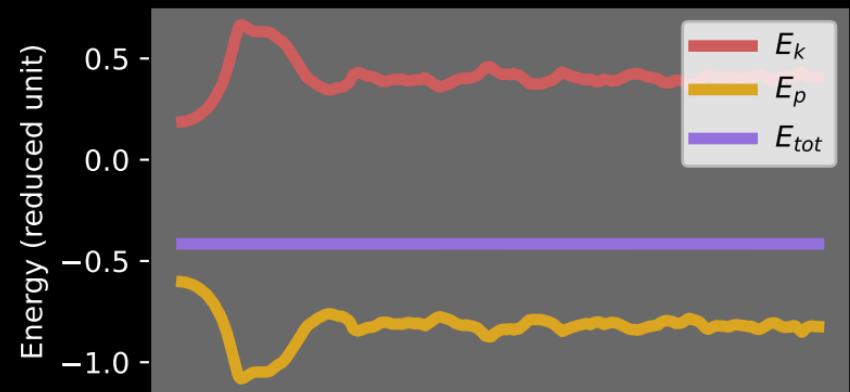


Conservation of total energy:



Conservation of total angular momentum L_0

