

Motivation: PES-to-Rate Coeff.s Approach





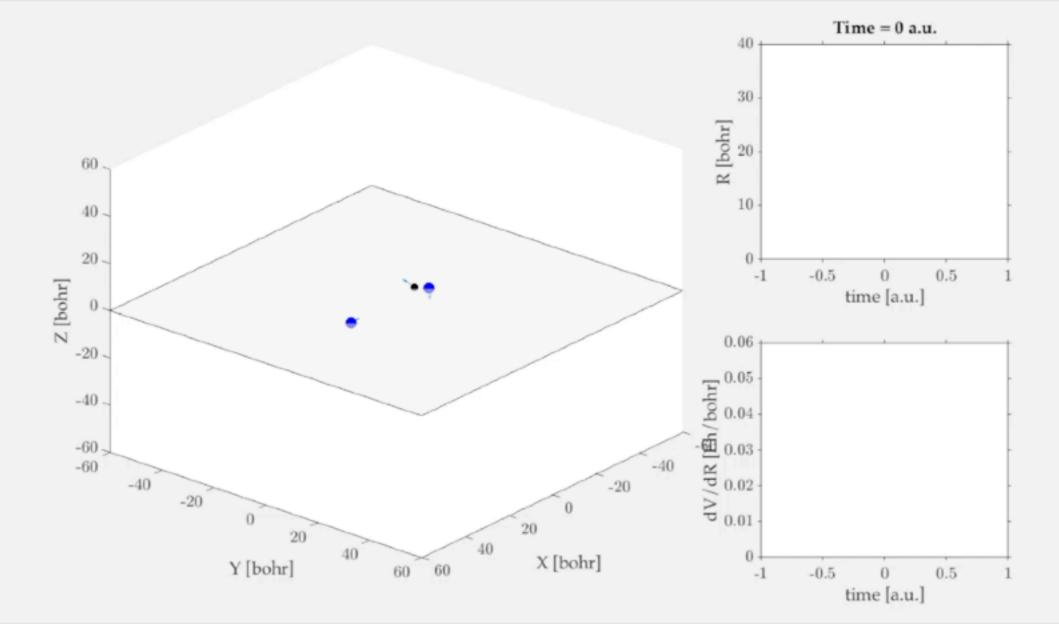


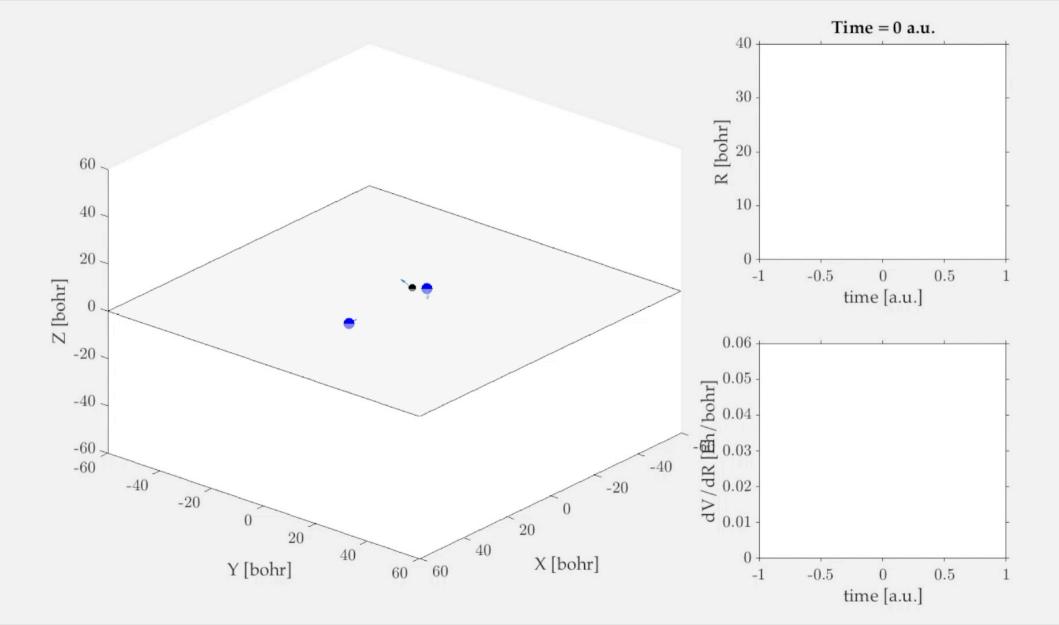




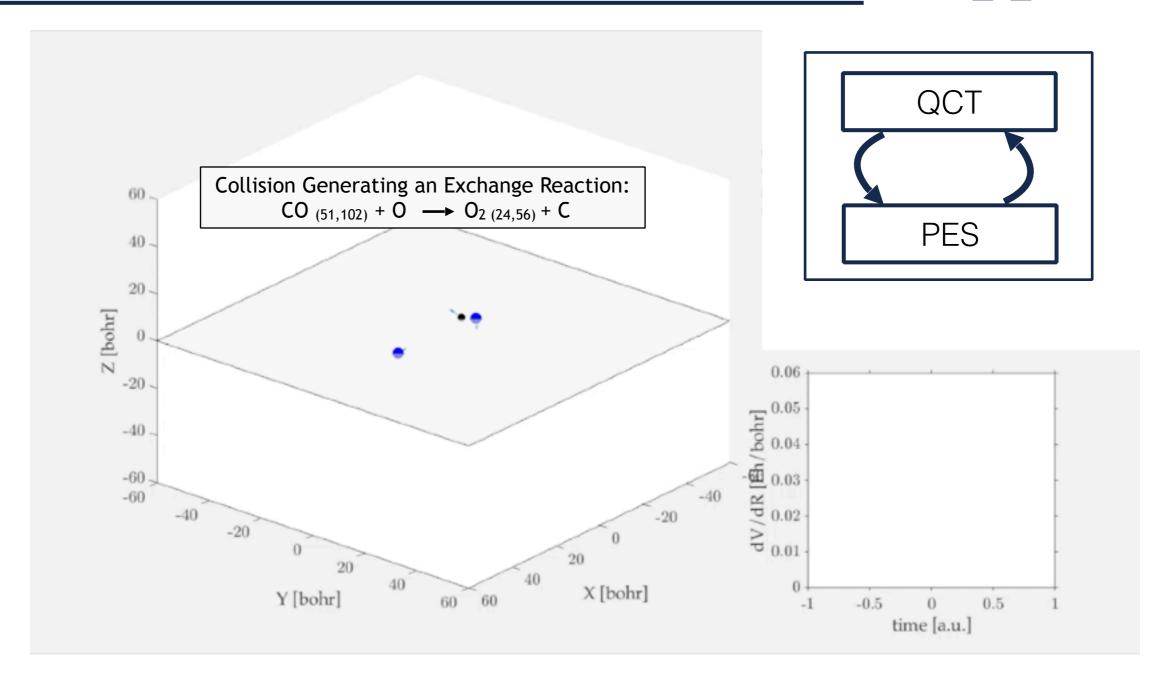


1. Cross Sections are computed by means of QCT, in which the gradients of the Potential Energy Surface (PES) are considered as source terms of the Hamiltonian Eq.s for the calculation of atom trajectories;



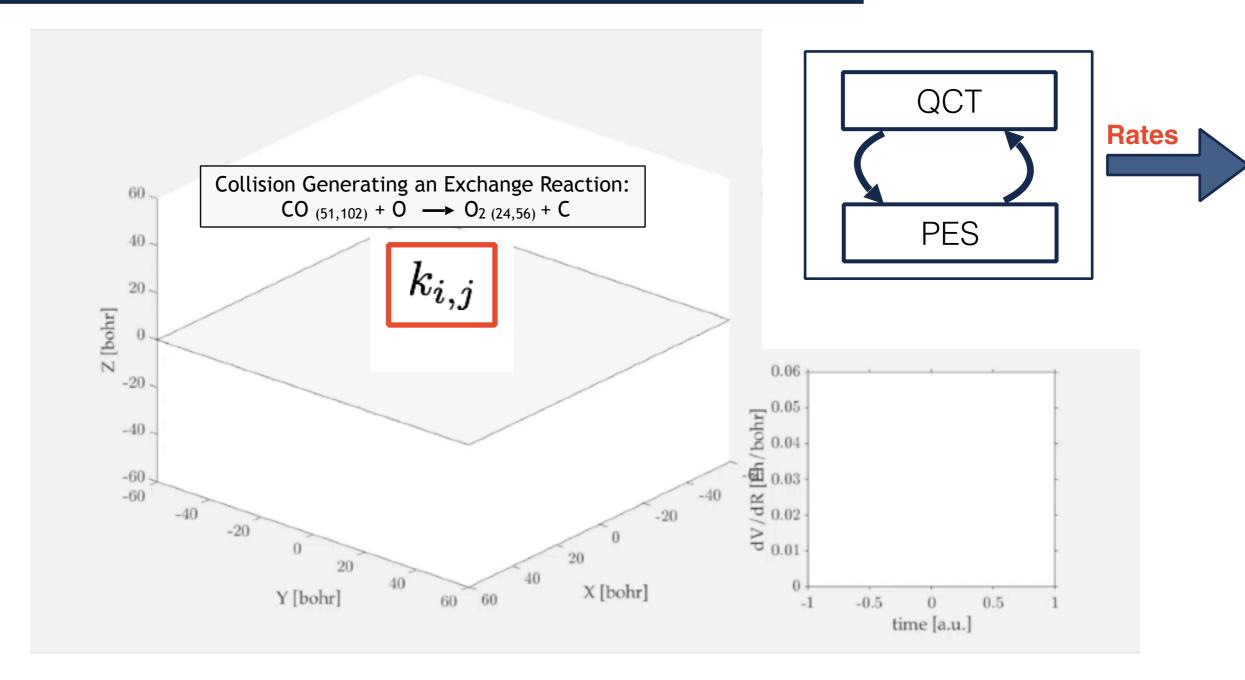


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- 1. Cross Sections are computed by means of QCT, in which the gradients of the Potential Energy Surface (PES) are considered as source terms of the Hamiltonian Eq.s for the calculation of atom trajectories;
- 2. Rate Coefficients are finally obtained by integrating over Maxwellian distributions of collisional energies.

PESs drive the collision dynamics, and govern the values of rate coefficients