Contents of the data files

These files contain elastic integral and differential cross sections for electron and positron scattering from pyrazine calculated using the R-matrix approach. All integral cross sections are in Angstrom^2 and all differential cross sections in Angstrom^2/steradian.

- Integral_cross_section_electron.txt: integral elastic cross sections for electron scatteing from Figure 2 in the paper.
- Elastic_Excitation_Functions_electron.txt : angular differential cross sections for electron scattering for specific angles as a function of scattering energy from Figure 3 in the paper. The label of each column indicates the scatteing angles, the scattering model (SEP/CC) and the basis set used: ANGLE_MODEL_BASIS-SET.
- DCS_3eV.txt: angular differential cross section for a scattering energy of 3 eV for the projectile and basis set indicated in the file (projectile_basis-set_format) from Figure 4 in the paper. In the case of positron scattering, both folded and unfolded results are included.
- Integral_cross_section_positron.txt: integral elastic cross sections for electron scatteing from Figures 5 and 6 in the paper. The label of each column indicates the basis set and number of virtual orbitals used: BASIS SET_NUMBER-OF-VOs.