The steps for updating a new line list

The steps for updating a new line list to the exoweb server

1. Use code (Jupyter Notebook) to check the .states file (if there is no lifetime, use the ExoCross program to add the lifetime into the .states file)
2. Upload line list files (the .states and .trans files) to the exoweb server.
3. Create def file (read the paper and use code (Jupyter Notebook) to get information).
4. Upload the .def file to the exoweb server.

Code GitHub: https://github.com/Beryl-Jingxin/update_new_linelists.git

The steps for updating a new line list to the ExoMol website

https://exomol.com/admin/

1. Chems
    1) Molecules
    2) Isotopologues
2. Data
    1) Add data set
    2) Add link
    3) Add data collections
3. Pages → Activities → ExoMol updates

For Creating the .def file

If there already exists the .def file for the same molecule and isotopologue but other datasets, do some changes based on the existed .def file.

NIST: https://webbook.nist.gov/chemistry/inchi-ser/

Convert Dalton to Kilogram: https://www.unitconverters.net/weight-and-mass/dalton-to-kilogram.htm