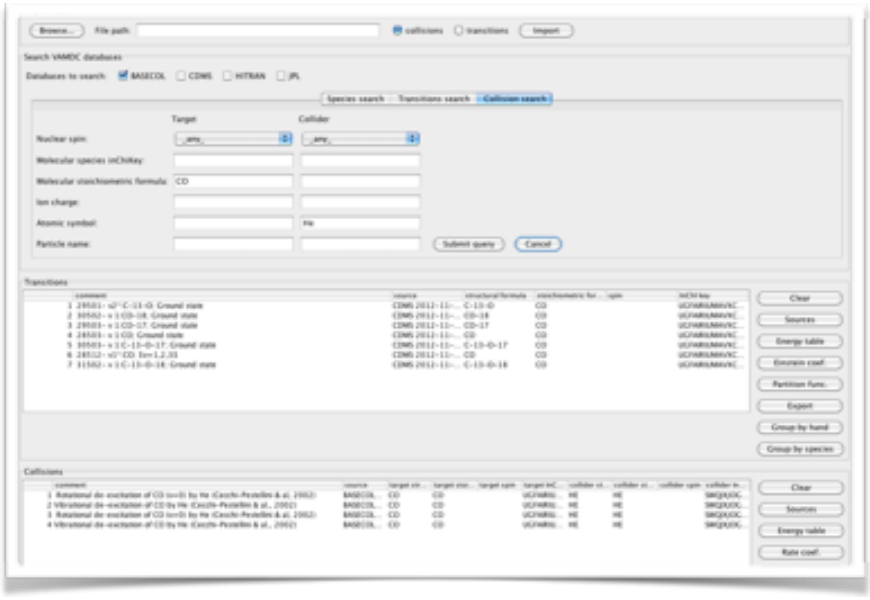

SPECTCOL VAMDC

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Accessing VAMDC from a standalone Tool: SPECTCOL

The aim of the client tool SPECTCOL is to associate spectroscopic data provided by spectroscopic databases with collisional data provided by collisional databases using the VAMDC technology.

The client tool interrogates the registries to find spectroscopic and collisional information about a molecule. It retrieves different possible sets of data from different databases. The user can associate sets of his own choice in order to create customized combination of spectroscopic and collisional data.

Indeed the usual difficulty met by astrophysical users is to combine collisional data from a database such as BASECOL (http://basecol.obspm.fr) with spectroscopic data coming from other native databases such as CDMS (http://www.astro.uni-koeln.de/cdms), JPL (http://spec.jpl.nasa.gov/) or any other spectroscopic databases. Combination of data implies the possibility to match molecular states that were very often described differently in JPL, CDMS and BASECOL, and this problem is now solved easily using VAMDC and SPECTCOL.

The SPECTCOL tool will be extended to handle atomic data and other processes.

Support to access VAMDC Databases

You can implement all the protocols that VAMDC has designed: http://www.vamdc.eu/standards.

You might want to save time and to use our libraries in Java or other languages: http://www.vamdc.eu/software.

You may need some tutorials: see http://tutorial.vamdc.org.

You may need some help: send a mail to support@vamdc.eu.

You may want to exchange: http://forum.vamdc.org