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LXCat project: web interface update to the database

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The LXCat project is a community-wide effort to make available, via an open-access website, data needed for modeling low temperature plasmas. More than 20 groups around the world have and are continuing to contribute data to this project which accounts of more than 100 thousand of records for more than 400 species in 2012. One of the project objectives this past year has been to restructure the databases and to rewrite the interface so as to merge into a single project the LXCat databases for electron data with those from ICEcat for ion data. The new structure allows for easy upgrades or extensions to include other data types or output formats. A particular effort this year was devoted to the new implementation of notes section and discussion board that allows users to have an easier access to evaluation results and comments produced by the advising committee of the project and other users. Finally, the results of calculated swarm parameters can now be directly compared with available experimental results. The new site address is <http://www.lxcat.net>.