

Presenting the Astro+ database open for user access.

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Abstract

We are happy to announce the first release of the Astro+ database, intended to host the largest number of spectra of massive stars. The database is accessible via a web interface (<http://astroplus.ua.es>), where new users must register, accept the terms and conditions, and await access approval. We have divided the web interface into documentation, tutorials, a search of stellar spectra, and, more relevantly, an uploading of their own spectra to the database. For this purpose, we have created a user-friendly interface that allows users to interact effectively with the database and the upload process. The database presents a place where astronomers can easily access and inspect the spectra, whether their own or not, without digging into folders, different formats, and configurations. Once uploaded, in addition to providing easy viewing of the spectra, it is possible to download them in a standard readable format based on the FITS storage. Last but not least, this database seeks the correct identification and characterization of the spectrum for further analysis, which leads to the extraction of stellar parameters using a battery of automatic programs.

Poster Link

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