

**ATOMIC AND MOLECULAR DATA FOR ACTIVE GALACTIC NUCLEI
– Fe II LINES AND BALMER CONTINUUM**

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Active Galactic Nuclei (AGNs) are the most luminous objects in the Universe. They produce a large amount of energy, resulting in a very complex spectrum that shows a number of strong emission lines. The properties of emission lines in AGN spectra are signature of the geometry, physical and kinematical properties of the emission gas.

The data basis with large and complete atomic data may help a lot in analysis of AGN spectra, and understanding of their nature. In this talk we demonstrate some examples of use of atomic databases in AGN investigation: the construction of the complex Fe II template, and calculation of Balmer continuum, which have practical use in AGN spectral analysis.