

1st Workshop on "Spectroscopy as a tool to investigate Active Galactic Nuclei and gravitational lenses"
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Active Galactic Nuclei: Progress and Problems

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I first give a short review of our basic knowledge of the structure of line- and continuum-emitting regions of active galactic nuclei and the relationship between the various components. I argue that we have a fairly good overall framework of how AGNs work. I then draw attention to what I consider to be some of the major unsolved AGN problems and suggest some ways forward.

Virtual atomic and molecular data center (VAMDC), Serbian virtual observatory and other databases for spectroscopical research

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One will explain the idea and objectives of Virtual Atomic and Molecular Data Center (VAMDC), an European FP7 project aiming to build a flexible and interoperable e-science environment based interface to the existing Atomic and Molecular data. The VAMDC will also be a connection between existing Atomic and Molecular databases providers, data producers and users and will organize trainings, tutorials, workshops and conferences on regional and European levels. The databases entering in VAMDC will be described as well as other databases of spectroscopic interest, as well as the idea and objectives of Serbian Virtual Observatory. It will be also discussed the benefits of VAMDC and SerVO for AGN community.