Poster

## PHOTOIONIZATION OF THE Li<sub>2</sub><sup>+</sup>, Na<sub>2</sub><sup>+</sup> and LiNa<sup>+</sup> MOLECULAR IONS IN ALKALI GEO-COSMICAL PLASMAS

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Opacities of the solar and other stellar atmospheres are naturally caused by a large number of radiative processes. For the development of more sophisticated stellar atmosphere models, it is needed further investigation of the known processes and the inclusion of all processes not considered before. Here, the strict quantum-mechanical method was used for the determination of the average cross-section for the photodissociation of the three alkali molecular ions Li<sub>2</sub>, Na<sub>2</sub> and LiNa<sup>+</sup>. We present the results of calculation in the tabulated form easy for further use with a particular accent to the applications for astrophysical plasma research and low temperature laboratory plasma created in gas discharges, where plasma conditions may be favorable for processes investigated here.