

RADIATIVE PARAMETERS OF ATOMIC AND IONIC STATES

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In this report, a short survey of the experimental methods for determination of radiative parameters of excited atomic and ionic states will be given.

These are radiative lifetimes of the excited states, transition probabilities and oscillator strengths. The methods, which are used now days, will be discussed as well as their advantages and limitations. Some results as examples will be presented. Interesting application of Laser Induced Breakdown Spectroscopy will be presented, as well.

These investigations have been supported by contract D 02-274/2008 BNSF and Laser Lab in Europe.