

PECULIARITIES OF 221.1-NM
Tl I ($6s^26p^2P_{1/2}^0 - 6s6p^2^4P_{1/2}$)
SPECTRAL LINE EXCITATION
AT ELECTRON-ATOM COLLISIONS

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S u m m a r y

The excitation function for the 221.1-nm spectral line of a thallium atom originating from the $6s6p^2^4P_{1/2}$ level at electron-atom collisions has been studied in the energy range from the excitation threshold to 16 eV and with an energy spread of about 0.7 eV. A number of structural features related to the autoionizing states and the shape resonances has been found in the excitation function above the ionization threshold.