

Poster

**STARK BROADENING PARAMETERS USING
SEMICLASSICAL METHOD OF SEVERAL S II MULTIPLETS**

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Stark broadening of spectral lines is the dominant pressure broadening mechanism in hot, early-type, stars and white dwarf atmospheres. We present electron-, proton-, and helium-ion-impact broadening parameters for several S II multiplets occurring in stellar spectra using semiclassical method. Comparison of semiclassical method, modified semiclassical method, *ab initio* atomic parameters calculations using Cowan code and experimental data are given.