Abstract Submitted
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**Recent determination of solar oxygen abundance and atomic data**[1] SULTANA NAHAR[2], The Ohio State University — Radiative models for plasma abundacnes in an astromonical object, such as, the Sun, require parameters of atomic processes, such as, photoionization, photo-excitations, electron-impact excitations. The accuracy of the atomic parameters need to be of high accuracy and consistent for modeling them in various plasma conditions. Bergemann et al (MNRAS 2021) recently reported solar photospheric oxygen abundance with emphasis on using an accurate "new atomic models" and found largely good agreement with the existing predictions for the oxygen abundance. This report will illustrate that their atomic model is consisting of inconsistent and inaccurate atomic data, and good agreement with others questions the accuracy of the treatment of their model.

[1]Ohio State University Bridge grant
[2]A poster presentation with a pdf-file

Sultana Nahar
The Ohio State University

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