

ATOMIC DATA FOR THE MODELLING OF K LINES IN ELEMENTS WITH $10 \leq Z \leq 20$

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Following previous work on the atomic data and spectral modelling of K lines in ions of Fe [1–7] and O [8], we are currently involved in the computation of accurate energy levels, radiative and Auger decay routes of K-vacancy states and of high-energy photoionization cross sections in ions of elements with $10 \leq Z \leq 20$. The main purpose of this project is to improve and extend the atomic database of the XSTAR modelling code [9]. A progress report is presented.

References

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