

# Thomas-Fermi version of the VAMPIRES model

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We proposed recently a model of ion-electron plasma (or nucleus-electron plasma) that accounts for the electronic structure around nuclei (i.e. ion structure) as well as for ion-ion correlations, the VAMPIRES model [1]. In this poster we discuss with more detail the Thomas-Fermi version of the model.

## References

[1] Blenski, Piron, Phys Rev E **107**, 035209 (2023).