

Editorial Comments:

I am now happy to recommend publication in the *Physical Science International Journal*. However, before this happens, I suggest that the author(s) look one more time at the comments of the reviewer with code name Jia and their responses in order to make any further revisions that they seem appropriate.

Author's Feedback:

I agree, to continue further amending the comments to v2, I've added also in yellow one more paragraph in version 3 to the ten phases of investigation project about main plasma parameters which can be contrasted in Reference [2].

I've added also in yellow one more section in version 3 titled "Application of ATMED CR to Other Real Temporal Experiments", as illustrative examples of temporal plasmas of Al and Fe in high energy density facilities, to contrast mean charge temporal evolution with simulations of other CR hydrocodes as 1D LASNEX.

The new section adds to the "optimal" accuracy of results, taking into account that ATMED CR contains a lot of statistical approximations, the main ones of course, the average atom formalism and the screened hydrogenic atomic model. The increase in precision obtained because of the relativistic splitting of matter structure is not only non negligible, but also very huge with respect to average atom models with n or nl-splitting.