Rev 1:
The idea contained in the article is very interesting, it would be useful to enrich it with some specific considerations, e.g. what thickness should the DEC device be to fulfill its role effectively. However, the number of small errors and the very general tone of the considerations leave us very unsatisfied. A large number of errors, including the largest one: DEC (Decision Enhancement Center), indicate the need for the author to refine the article.

Highly recommended as poster.

Thanks are due to the reviewer.

DEC stands for Direct Energy Conversion. Which has been stated in the **abstract** and the first page.

This paper investigates conditions for direct energy conversion **within** the reactor. The proposed devise is performing both moderation and energy conversion. Since the idea is new, the discussions in the paper is about the pre-conditions of devices.

1) Is the energy content of all fission products harvestable? No only the non-charged particles.

2) how much energy is available in non-charged particles

3) isotopic compatibility of the device with the nuclear reactor, and effect on the neutrons’ population.

Although, the paper is not reporting an experimental device, I have added an example schematic of such a device for illustration. Since the idea is new, the conditions for the proposed energy conversion is examined in this phase/paper. Future work should have simulations and eventually a prototype device.

Rev 2: Please use template.
Abstract and Introduction should not be the same.

The list of references if very pure.

Not sure what is meant by pure. References multiple types including, journal papers, books, online databases, and sites.
Figure 3 (legend) is unreadable.

Figures legend have been changed
English should be improved.
The publication has a form that is more popular than scientific, at this point.

The paper examines the pre-conditions for direct energy conversion in the reactor. It discusses the available energy types and compatible isotopes and materials to the harsh environment of the nuclear reactor. This investigation phase is a step toward simulation and final experimentation. Summarizing: publication in the proceedings is possible after major revision.

Have added a concept design of DEC device illustrating graphite and diamond components. This device performs both as moderation and energy conversion.
Recommendation: poster

Thanks are due to the reviewer.

The abstract and conclusion are different in length, content and style.