

Dear editor,

We like to express our appreciation to the reviewers for their comments. We are resubmitting the revised version of the paper number SM-2019-1528. We have studied the comments of the reviewer carefully, and have changed the text according to the comments they have listed. Below we refer to each of the reviewers comments.

### Response to Reviewer #1

**Comment 1.** *Correct the sign  $290 \div 330$   $K$  in page 2*

**Reply:** The correction was done.

**Comment 2.** *Some grammatical errors*

**Reply:** The text was revised.

**Comment 3.** *Define the  $mT$ ,  $MA$ , and  $Eef$  in the Table 1 caption in page 7.*

**Reply:** The parameters were defined in the Table 1 caption.

### Response to Reviewer #2

**Comment 1.** *Detailed information about the value of the main parameters taken into simulation (SCAPS) should be given in the text.*

**Reply:** The values of the main material and defect parameters taken into simulation are summarized in Tables 1 and 2.

**Comment 2.** *I recommend including a more detailed analysis on how the parameters  $n$ ,  $I01$ , and  $I02$  have been calculated from Eq. (4).*

**Reply:** More detailed information about parameter calculation was added (the first paragraph in page 6).