

Thank you for your consideration for my manuscript. I have modified it according to the reviewer's comment. In addition to the comment, mistakes of English grammar have been corrected and English expression has been improved. The last paragraph of the section "EXPERIMENTAL RESULT AND DISCUSSION" was omitted, since reproducibility of the result that was written in the paragraph was recognized to be weak.

1. The reviewer's comment:

Content: accepted

Layout: to be corrected

(1. References should be numbered using Arabic numbers in square brackets)

I numbered using Arabic numbers in square brackets references.

2. We have modified sentences as follows:

P.1, Abstract

(1) 3rd line, "The end loss plasma exposed to the V-shaped target in the D-module, which..." ==> "The V-shaped target in the D-module which is installed in the west end region was exposed to the end loss plasma, which..."

P.1, INTRODUCTION

(2) 3rd line, "Plasma detachment is indispensable for reduction of the both fluxes and volumetric plasma..." ==> "Plasma detachment is indispensable for reduction of the both fluxes, and volumetric plasma..."

(3) 18th line, "In this study, we have measured two dimensional distributions of the H_α and H_β intensities with..." ==> "In this study, we have measured two dimensional distributions of the H_α and H_β line intensities with..."

P.2, EXPERIMENTAL SETUP

(4) 4th line, "The end loss plasma is exposed to the V-shaped target in the D-module." ==> "The V-shaped target in the D-module is exposed to the end loss plasma."

(5) "FIGURE 1. (a)Schematic views of D-module and (b)West end region of GAMMA 10/PDX." ==> "FIGURE 1. (a)Schematic views of the D-module and (b)west end region of GAMMA 10/PDX."

(6) 8th line, “Gas injection ports are set at the inlet of the D-module and the hydrogen gas is injected to the target.” ==> “Gas injection ports are set at the inlet of the D-module and the hydrogen gas is injected **toward** the target.”

P.2, EXPERIMENTAL RESULT AND DISCUSSION

(3) 1st line, “End-loss plasma was exposed to the V-shaped target for...” ==> “**The V-shaped target was exposed to the end-loss plasma** for...”

(4) 13th line, “which is similar trend of H_{β} line intensity” ==> “which is similar **to** the trend of H_{β} line intensity”

P.4, EXPERIMENTAL RESULT AND DISCUSSION

(5) 3rd line, “The peal position of...” ==> “The **peak** position of...”

P.4, SUMMARY

() 3rd line, “The plasma was sustained by ion cyclotron heating, and the V-shaped target which is installed in the D-module was exposed to the end-loss plasma.” ==> “The plasma was sustained by ion cyclotron heating, and the V-shaped target which **was** installed in the D-module was exposed to the end-loss plasma.”

P.4, ACKNOWLEDGMENTS

(6) 2nd line, “This work is performed...” ==> “This work **was** performed...”

3. We have modified an author’s affiliations as follows:

(1) “¹ Plasma Research Center, University of Tsukuba, Japan” ==> “¹ Plasma Research Center, University of Tsukuba, **1-1-1 Tennodai, Tsukuba, Ibaraki 305-8577, Japan**”

(2) “² Shinshu University” ==> “² **Faculty of Engineering, Shinshu University, 4-17-1 Wakasato, Nagano 380-8553, Japan**”

4. We have removed sentence as follows

P.4, EXPERIMENTAL RESULT AND DISCUSSION

(1) 5th ~8th lines, “The electron temperature and density distribution profile of the line of high speed camera viewing direction was uniform, after the electron density rolled over with respect to the pressure in the D-module [13]. Therefore, there is the possibility that the distribution of the high speed camera viewing direction of the Balmer line intensities also becomes uniform when the plasma detachment achieved.”