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Corrigendum: Integrated RMP-based ELM-crash-control process for plasma performance enhancement during ELM crash suppression in KSTAR (2023 *Nucl. Fusion* 63 086032)

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(Some figures may appear in colour only in the online journal)

In the original article, we identified an error in the H-factor calculation. The last two sentences of the second paragraph from the end of section 4.1 should be corrected as follows: In #31189 (integrated process) and #31184 (CRMP with adaptive control), H_{89L} increases up to ∼2.15 and ∼2.06, respectively, coincident with the timing of maximum β_N. In the reference case (#31185), the maximum H_{89L} at $P_{heat} \sim 5.4$ MW is ∼1.98. Additionally, figure 6(*e*) should be revised according to the changes, as shown here.

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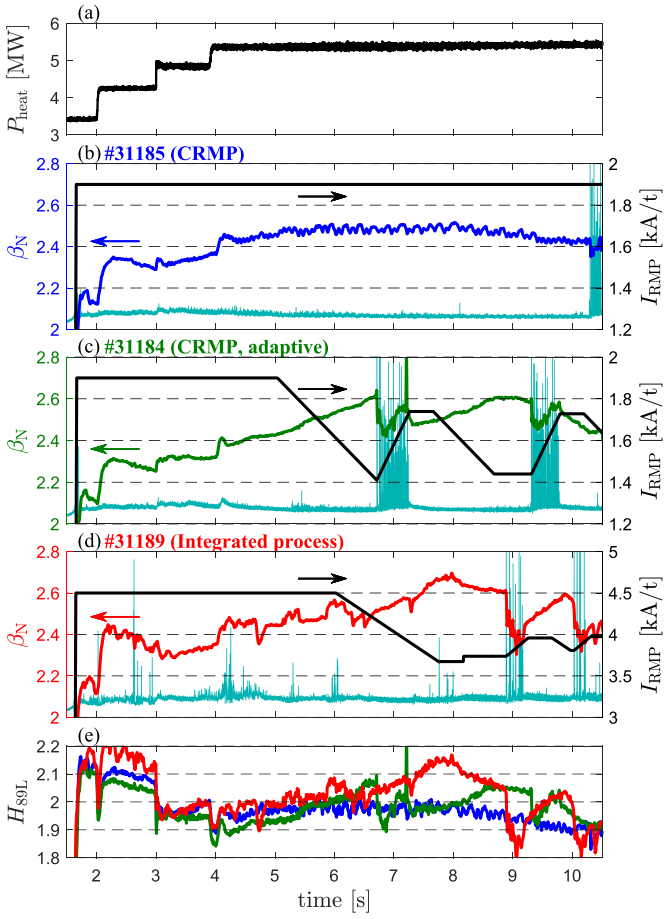

Figure 6. Comparison of $\beta_{\rm N}$ during the $n = 1$ RMP-driven ELM crash control. (*a*) Total auxiliary heating power. Time traces of $\beta_{\rm N}$, D_α (cyan), and RMP coil current (black) in (*b*) the CRMP with pre-set constant $I_{\rm RMP}$ (#31185), (*c*) the CRMP with adaptive feedback control (#31184), and (*d*) the ERMP with adaptive feedback control (#31189). (*e*) H-factor. In (*b*)–(*d*), $I_{\rm RMP}$ is the top coil current among three-row RMP coils (TOP, MIDdle, and BOTtom) in KSTAR. In CRMP, $I_{\rm TOP} = I_{\rm BOT} = I_{\rm MID}$, while in ERMP, $I_{\rm TOP} = I_{\rm BOT} > I_{\rm MID}$.

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