

from the warm hydrogen molecular IFU spectroscopy of Gemini/NIFS reported by den Brok et al., (2015).

3) I may be lost in the discussion flow, but in subsections 2.1 and 2.2, the authors provided many numbers that are relative to the total optical spectra taken from SDSS DR7 as the input sample including 1,000,000 galaxies + quasar spectra (subsection 2.1) and 938,487 galaxy spectra of 878,138 unique objects (subsection 2.2). It is a bit confused with the number 1,000,000 in the subsection 2.1 and how does this number relate to the other two numbers in the subsection 2.2? Please clarify!

4) The authors presented the criteria of sample filtering for the feasible IMBH candidates from the input sample in the subsection 2.3, and they have also mentioned these selected criteria briefly earlier in the second paragraph of the subsection 2.1. This causes a hard time to follow for me (and maybe other readers as well) at the first read when I was at the subsection 2.1 and have not yet come to the subsection 2.3. The better idea is to guide the readers to these selection criteria by informing them that the authors will discuss these detail criteria in Section 2.3, for example.

5) In the second paragraph of subsection 4.1, the authors used the acronym τ_{AD} without spelling it out. Please define or spell it out there for the first time!

6) In subsection 4.1 at the final paragraph, the authors estimate the total stellar masses of the parent sample based on the two-dimensional Bulge+Disk Decompositions (GIM2D) of Simard et al., (2011). The authors should be clear that in Simard et al., (2011) they assumed a pure exponential disk and a de Vaucouleurs bulge (Sersic index $n = 4$) for the galaxy image models.

7) In Figure 7, the authors show the orange star in each panel plot without explanations either in the text or in the figure's caption. I would appreciate that if the authors will nicely give some explanations to make the reading to be more transparent.

8) The last sentence of the fourth paragraph in the subsection 4.4, the authors argued their exact fraction of actively accreting IMBHs is unknown, but it is smaller than that of more massive black holes. Could the authors please provide a quantitative number?