

The lecture notes on “Sterile Neutrinos as Dark Matter Candidates” are written clearly and accurately, and represent an excellent introduction to the subject, complete with bibliography. I would like to suggest only a small number of minor editorial corrections.

- Page 4, second line after Eq (16): “This would have led ...” should be replaced with “An alternative assumption X would have led ...”, where X is an assumption different from the one mentioned in the previous line.
- Page 4, second bullet point from the bottom: E should be replaced with  $E^2$  in the final formula.
- Page 5, 3rd paragraph, line 3: an expression for the oscillation length would be useful.
- Page 5, 3rd paragraph, line 3 from the bottom: should “dilute” read “diluted”? Next line: I suggest replacing “CC” with “charged current”.
- Page 5, after Eq (25): it would be useful to define the quantity  $a$ .
- Page 7, line 2: I suggest rephrasing “... the case of ... is the case in ...”.
- Page 7, 4<sup>th</sup> line after Eq (39): I suggest removing “the second lines of” (which is not factually fully correct and possibly superfluous).
- Page 8, 1<sup>st</sup> paragraph: please could the typical speed of the sterile neutrinos wrt the observer be quoted, and the corresponding widening of the monoenergetic line due to this effect be quantified? Also, “X-ray” (with a capital X).
- Fig 2: is the  $O(0.1 \text{ keV})$  width of the feature at 3.5 keV compatible with the expectation for a monochromatic line? Caption: “clusters” (plural).
- Page 9, line 6: please replace the full stop after “Milky Way” with a comma.