

**Public justification (visible to the public if the article is accepted and published):**

Dear Authors,

Thank you for submitting the revised manuscript. Given that you have taken into account all previously requested changes, I am glad to decide that the article be published subject to two technical corrections:

1/ Taking the scaling of the top axis in Fig. 2 as a reference, the frequency decreases from the left to the right. This is conflicting with the FSR (= 188 MHz) being a positive number and the frequency scaling on the bottom given in units of FSR. Please check the scaling of both axes (either the top axis has to be reversed or negative numbers have to be used on the bottom axis).

**In Fig. 2, the optical frequency  $\nu$  decreases indeed from the left to the right like the wavenumber  $\sigma = \nu/c$ , while the wavelength increases from the left to the right (see Fig. 1). Fig. 2 is intended to show the raw spectrum as measured by the instrument, and comes after Fig. 1 which shows the theoretical absorption spectrum. We prefer to keep the same convention (wavelengths increasing from left to right) between the two figures to maintain a consistency in the reading. In Fig. 2, the bottom x-axis corresponds to the resonant mode numbers (each mode being separated by one FSR = 188 MHz) in the chronological order of apparition (this is done by applying a ramp on the laser injected current). To avoid any confusion, we changed the x-axis by “Mode number”, which is dimensionless.**

2/ replace 'two days' by 'almost two days' in line 153 of the corrected manuscript.

**Done**

Please take into account the requested changes so that the manuscript can go into the next production stage.

This is also the occasion to thank you again for considering AMT/EGUSPHERE for publication of your scientific work.

With kind regards  
Christof Janssen