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Peer Review

Review of: "Solar Flare Spectroscopy at Pic du Midi Observatory (1956–1968) in the Frame of the International Geophysical Year"

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Report on the paper "Solar Flare Spectroscopy at Pic du Midi Observatory (1956–1968) in the Frame of the International Geophysical Year "

by J-M Malherbe

This article summarizes and sets in perspective very well the instrumental developments made at Meudon and Pic du Midi, especially in the sixties. I have only small comments, easy to address, and I am pleased to recommend this article for publication in Qeios.

It is worth explicitly stating all the acronyms at first use, like OP, or even suppressing them if used only once, like SIDC, WW2.

Table 1: What is the meaning of "dia"?

It is worth explicitly labeling the axes of Figure 8 (quantities plotted and ranges of variation).

"In particular, he discovered that intensity variations of metallic lines occur before those of Hydrogen Balmer lines, which suggested an ascending heating from the photosphere to the chromosphere."

It is worth explicitly explaining why these observations imply such a physical conclusion.

"such as HeI 10830 Å from -10000 to +5500 km"

It is not clear what the reference height is here, and in particular to which atmospheric region this negative height of -10000 km refers.

"they did not detect any change of topology"

The word "topology" in this context will likely not be understood. For example, "spatial repartitions" is

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more appropriate.

All references are preceded by a strange character.

Declarations

Potential competing interests: No potential competing interests to declare.