

Review of: "Quaternionic Bekenstein-Sanders Gauge Fields for TeVeS"

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Potential competing interests: No potential competing interests to declare.

I find the contextualization of Bekenstein-Sanders gauge fields in quaternionic field theory to be an interesting idea. The discussion on quaternionic gauge theory is deep enough and the generalization to the quaternionic case of the author's previous result about the rewrite in Kaluza-Klein form is adequately discussed. However, I suggest a more detailed introduction to the Bekenstein-Sanders TeVeS theory and its application in the MOND research field in general. It would be interesting to discuss how the quaternionic extension of the Bekenstein-Sanders theory can solve some critical issues of the original theory and more generally the applicability or not of the Bekenstein-Sanders quaternionic theory as a fruitful MOND theory. Overall I find it a well written work that can give interesting ideas.