

# Review of: "Einstein-AdS gravity coupled to nonlinear electrodynamics, magnetic black holes, thermodynamics in an extended phase space and Joule—Thomson expansion"

Fatemeh Mirekhtiary<sup>1</sup>

<sup>1</sup> Near East University

Potential competing interests: No potential competing interests to declare.

## The author has studied:

### **Einstein-AdS gravity coupled to nonlinear electrodynamics, magnetic black holes, thermodynamics in an extended phase space and Joule—Thomson expansion**

I have studied its work with care and to my welcome I have to inform you that I recommend the manuscript for publication, after correction. The author should correct the following points in the paper and add some sections as follow.

1. Introduction needs to be enriched by using the last papers that published in this field as following list.
2. Also in Introduction section add "The aim of this research and hypotheses of research" in last paragraph. (It is not clear and strange reason)
3. Aside from the temperature, no other quantities (e.g. power spectrum, entropy) related to the Hawking radiation were calculated. The author should also study and add another part, to make the paper more interesting.
4. The author should add these remarkable references as well as the others, since the topic is the same and close to the current paper:

## Ref:

1. Mirekhtiary, S. Fatemeh, I. Sakalli, and V. Bashiry. "Fermion tunneling, instability, and first law of Rindler modified Schwarzschild black hole as a thermodynamic system." *Canadian Journal of Physics* 99.2 (2021): 118-124
2. Mirekhtiary, Seyedeh Fatemeh, and İzzet Sakallı. "Thermodynamics and Phase Transition of Gravitational Global and Local Monopole." *Gravitation and Cosmology* 28.2 (2022): 175-185.
3. Mirekhtiary, Seyedeh Fatemeh, and I. Sakalli. "Hawking radiation of Grumiller black hole." *Indian Journal of Physics*.

## I do recommend publication.

Assoc. Prof Dr Fatemeh Mirekhtiary, Ph.D

Engineering Department, Faculty of Common Courses

Innovation, First floor, 16-H112, Near East University, Near East Boulevard, ZIP: 99138, Nicosia/TRNC, Mersin 10 –

Turkey,