

# NGC 2419 does not challenge MOND

R.H. Sanders

*(Submitted on 25 Jul 2011 (v1), last revised 11 Sep 2011 (this version, v2))*

I show that, in the context of MOND, non-isothermal models, approximated by high order polytropic spheres, are consistent with the observations of the radial distribution of the line-of-sight velocity dispersion in the distant globular cluster, NGC 2419. This calls into question the claim by Ibata et al. that the object constitutes a severe challenge for MOND. In general, the existence and properties of globular clusters are more problematic for LCDM than for MOND.

Comments: 3 pages, 2 figures, minor revisions, programming error corrected, accepted MNRAS

Subjects: **Galaxy Astrophysics (astro-ph.GA)**

Cite as: **arXiv:1107.4953 [astro-ph.GA]**

(or **arXiv:1107.4953v2 [astro-ph.GA]** for this version)

## Submission history

From: R. H. Sanders [[view email](#)]

[v1] Mon, 25 Jul 2011 13:58:36 GMT (12kb)

[v2] Sun, 11 Sep 2011 20:24:01 GMT (16kb)

*[Which authors of this paper are endorsers?](#)*

Link back to: [arXiv](#), [form interface](#), [contact](#).

## Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

## Current browse context:

astro-ph.GA

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1107](#)

## Change to browse by:

[astro-ph](#)

## References & Citations

- [INSPIRE HEP](#)  
([refers to](#) | [cited by](#))
- [NASA ADS](#)

## Bookmark([what is this?](#))

