

Przewodniczący Rady Naukowej CAMK PAN
w/m

OŚWIADCZENIE

In connection with the PhD thesis of Ms. Deepika Bollimpalli and the publications constituting a part of the thesis I declare the following.

I have contributed to the 2017 paper by Bollimpalli, D. A. & Kluźniak, W. *Radial modes of levitating atmospheres around Eddington luminosity neutron stars* (Monthly Notices of the Royal Astronomical Society, Volume 472, Issue 3, p. 3298-3303) by suggesting the problem, supervising the work, providing an elementary derivation of the breathing eigenmode and eigenfrequency and composing a part of the text. I estimate my relative contribution at 20%.

I have contributed to the 2019 paper by Bollimpalli, D. A. ; Wielgus, M.; Abarca, D.; & Kluźniak, W. *Atmospheric oscillations provide simultaneous measurement of neutron star mass and radius* (Monthly Notices of the Royal Astronomical Society, Volume 487, Issue 4, p. 5129-5142) by suggesting the presented method of solution and supervising the work. I estimate my relative contribution at 10%.

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