

ON THE PROBLEM OF DETECTION OF ISOLATED BLACK HOLES

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Abstract. The interstellar plasma accreted by isolated black holes should be heated during the infall process and radiate in the magnetic fields connected with the infalling material. A portion of the radiation in the optical range is likely to have a luminosity of order 10^{27} – 10^{30} erg s^{-1} . In *SAO U.S.S.R. AS* an experiment is being carried out to observe isolated black holes as faint optical stars without spectral lines. So far the results of the experiment are negative.

References

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