

## Study of gas discharge with a liquid cathode at maximum thermal load to the cathode

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### Abstract

© Published under licence by IOP Publishing Ltd. Thermal phenomena were experimentally studied in the atmospheric pressure gas discharge between the electrolyte liquid cathode and the metal anode under conditions in which the electrolyte temperature is close to the boiling temperature. It is shown that electrolyte mass discharge can only be reduced to a certain limit, while maintaining stable mode of burning discharge.

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