

Journal of Physics: Conference Series 2014 vol.567 N1

---

## Gas discharge with liquid electrolyte cathode in the mode of occurrence of the constricted channels

Tazmeev K., Tazmeev A.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

© Published under licence by IOP Publishing Ltd. Gas discharge between liquid electrolyte and a copper electrode at capacities that make up tens of kilowatts is experimentally investigated. As the liquid electrolyte we used the aqueous solution of sodium chloride. Identification of conditions of occurrence of the constricted channels. The electrical and spectral characteristics of the discharge in such conditions were studied.

<http://dx.doi.org/10.1088/1742-6596/567/1/012035>

---