

Poster

## **Emission characteristics of dust in cooling plasma**

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The particular feature of a thermal state of dust grains immersed in a hot gas is that they experience temperature fluctuations in a wide range. Temperature distribution function depend of dust grain radius and plasma characteristics. In this work, the temperature distribution function for grains with sizes from 30 Å to 3000 Å for different gas temperatures and densities is described along with resulting dust emission spectra.