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**Laser vaporization of the copper films obtained by electro-dispersion technology** PAVEL PETROV, ALEX MUSTAFAEV, National Mineral Resources University (University of Mines) St-Petersburg, YURIY ANISIMOV, Saint Petersburg State University — In this work interaction of laser radiation with a copper dusting received on technology EDDS was investigated. The topography of a surface of a dusting on SZM was investigated, the assessment of thickness of a dusting also was made. As a theoretical part, in this work the EDDS elementary model in a circular field were simulated. The main conclusion of this model consists that if create EDDS suspension in a circular field, the suspension will fill an internal surface of a digit tube more evenly and consequently and if in this moment evaporate a suspension a longitudinal electric discharge, it is possible to achieve more uniform dusting in a digit tube. As within this model the charge of a flying suspension was estimated.

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