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Investigation of thermal insulation for static cryostats of HTSC devices

ABSTRACT. The experimental investigation of high temperature superconductor (HTSC) electrotechnical devices may be substantially simplified using multilayer thermal insulation. Test results are reported for the foamed rubber K-FLEX and the aerogel JODA-C, applied as external thermal insulation of static cryostats intended for cryogenic devices, in particular HTSC alternators.

Keywords: aerogel, foamed rubber, HTSC electrotechnical devices

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