

STUDY OF THE λ -TRANSITION TEMPERATURE
OF He⁴ INSIDE CARBON NANOTUBES

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S u m m a r y

The results of numerical calculations of the temperature dependence of the λ -transition point of He⁴ absorbed in narrow single-walled carbon nanotubes are reported. The calculations were carried out for various amplitudes of the bare interaction V_0 . A reduction of the λ -transition temperature of He⁴ inside nanotubes has been demonstrated, and the relevant "temperature shift" has been determined.