



Fig. 2. Temperature dependence of spontaneous polarization of SbSI single crystals upon a change in hydrostatic pressure. p , atm: 1) 1; 2) 400; 3) 900; 4) 1400.

In relation to the new Curie point, the spontaneous polarization value decreases somewhat. This decrease is possibly associated with an additional effect, namely the change in the magnitude of the dipole moment with an increase in hydrostatic pressure. At atmospheric pressure near $T = -40^\circ\text{C}$ an anomaly is observed in the $P_s(T)$ dependence, which is in agreement with the data of [6]. We did not observe any change in the position and the magnitude of this anomaly when the hydrostatic pressure was increased. This makes it possible for us to conclude that hydrostatic pressure does not significantly displace the low-temperature phase transition in SbSI.

The dependence of the displacement of the Curie point on pressure as obtained by us is in good agreement with the data calculated by using the Clapeyron-Clausius relation, which gives the value $(dT_C/dp)_{\text{calc}} = -4.0 \cdot 10^{-2}$ deg/atm, as compared to $(dT_C/dp)_{\text{exp}} = (-3.9 \pm 0.2) \cdot 10^{-2}$ deg/atm.

In a number of samples we observed a slight change in the $T_C(p)$ dependence curve at temperatures below $T = -40^\circ\text{C}$ and at pressures higher than 1400 atm, which may be associated with the boundary of the second-order phase transition going over to the line of the first-order phase transitions at $T = -40^\circ\text{C}$; however, this requires further investigations.

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