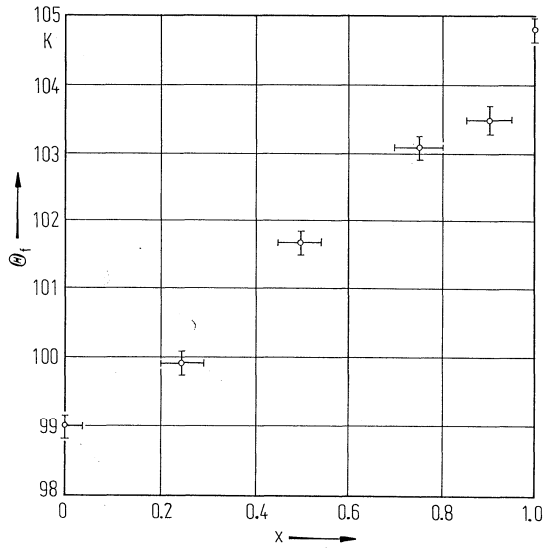

Fig. 27A-1-001. $H_{1-x}D_xCl$. Θ_f vs. x [83Cro].

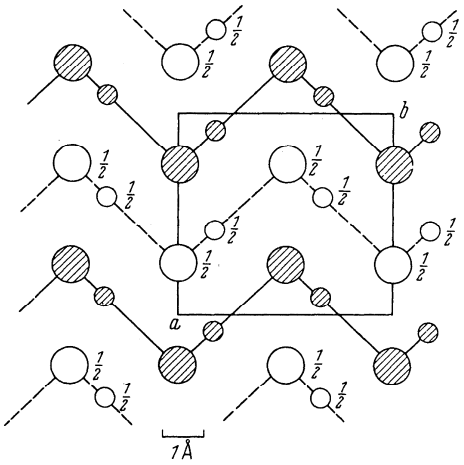

Fig. 27A-1-002. DCl. Crystal structure of phase II projected on (001) [67San1]. T = 77.4 K.

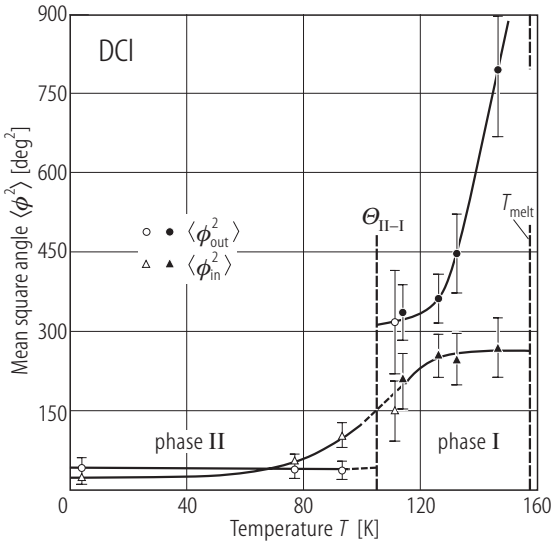

Fig. 27A-1-003. DCl. $\langle\phi_{in}{}^2\rangle$, $\langle\phi_{out}{}^2\rangle$ vs. T [73Nii]. $\langle\phi_{in}{}^2\rangle$, $\langle\phi_{out}{}^2\rangle$: mean square angular displacements within and out of the molecule plane, respectively. Open circles and triangles represent data given in [69San].

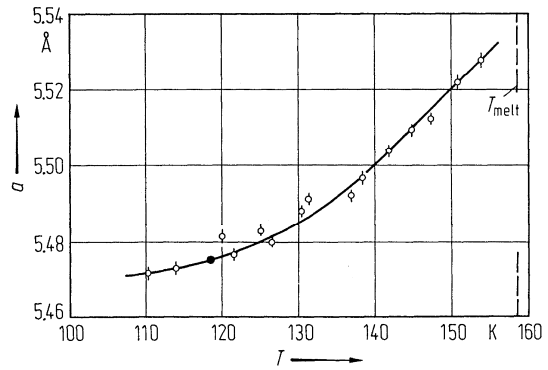

Fig. 27A-1-004. DCl. a vs. T [73Nii]. Data are normalized at 118.5 K as to coincide with the value given in [69San] shown by the solid circle.

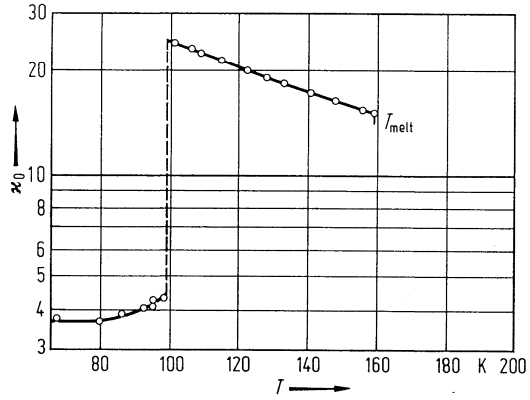

Fig. 27A-1-005. HCl (polycrystal). $\varkappa_0$ vs. T [54Swe]. $\varkappa_0$: static dielectric constant.

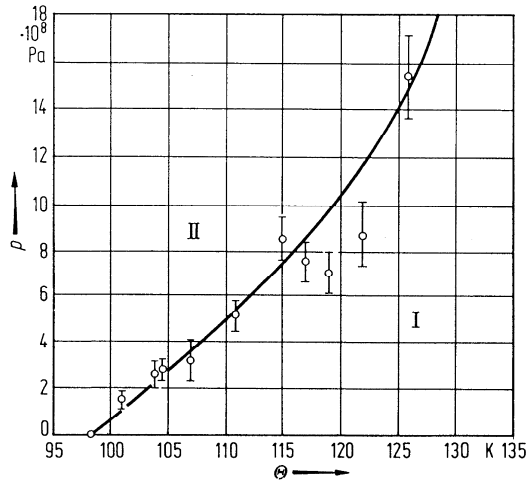

Fig. 27A-1-006. HCl. Θ vs. p [62Ste].

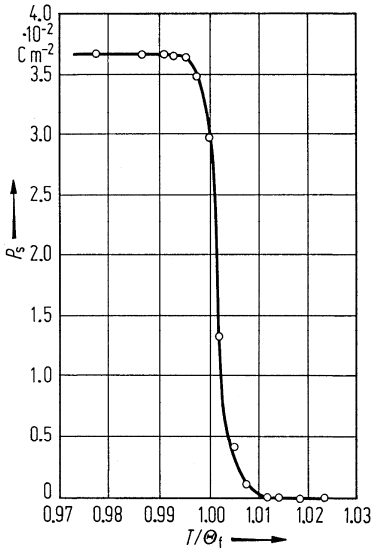

Fig. 27A-1-007. HCl. P_s vs. T/Θ_f [69Kob]. Obtained from pyroelectric measurements.

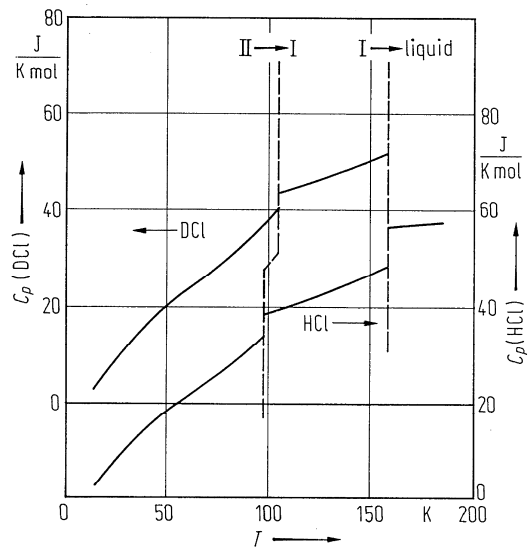

Fig. 27A-1-008. HCl, DCl. C_p vs. T [47Clu].

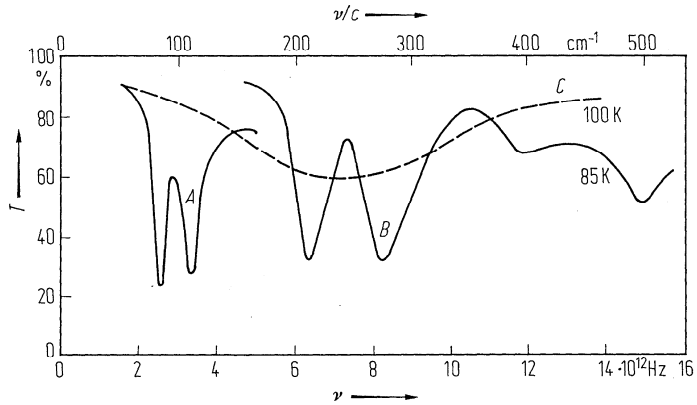

Fig. 27A-1-009. HCl. T vs. ν [67Arn]. T: transmittance, ν: frequency of incident infrared radiation. Temperature: 85 K for A, B; 100 K for C. Specimen thickness ≈20 μm for A, C; ≈5 μm for B.

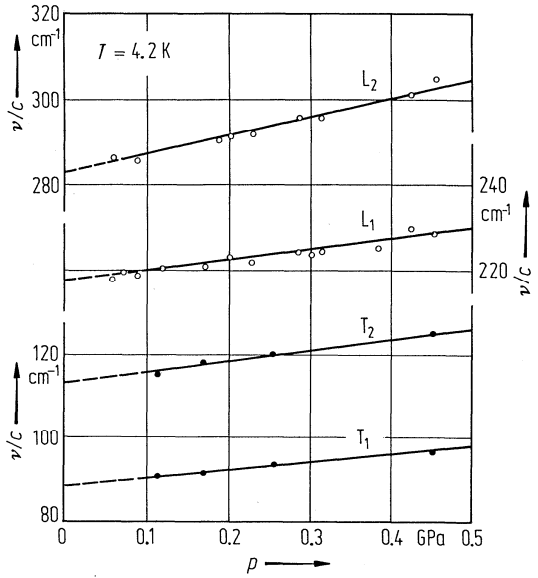

Fig. 27A-1-010. HCl. ν/c vs. p at 4.2 K [83Obr]. ν: frequency of far infrared absorption band. L and T denote librational and translational modes, respectively.

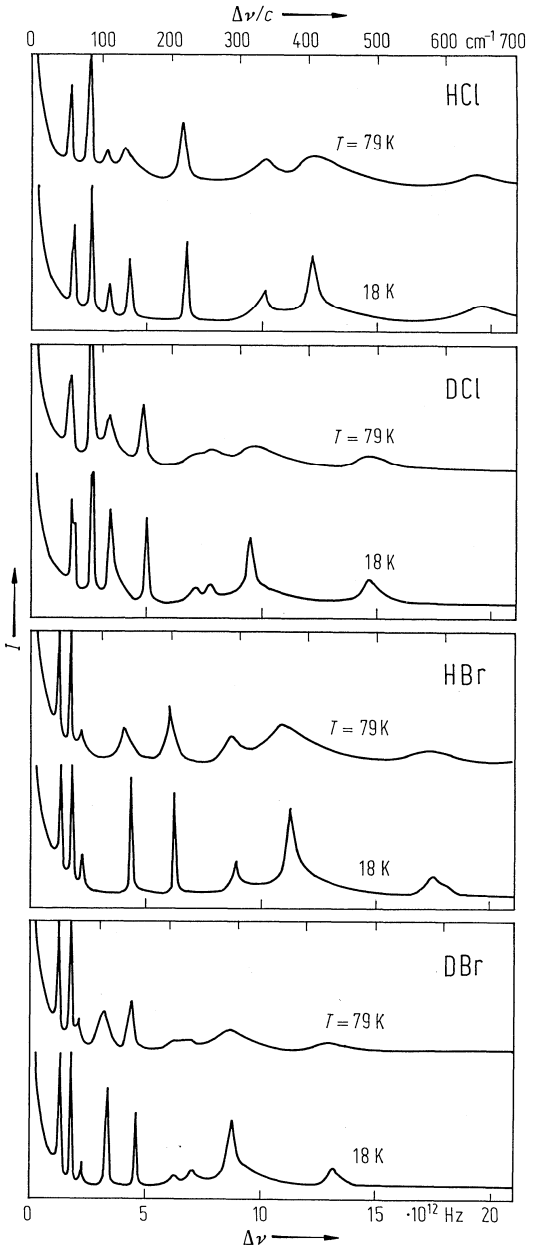

Fig. 27A-1-011. HCl, DCl, HBr, DBr. I vs. $\Delta\nu$ at 79 K and 18 K [81And]. I, $\Delta\nu$: intensity and frequency shift of Raman scattering.

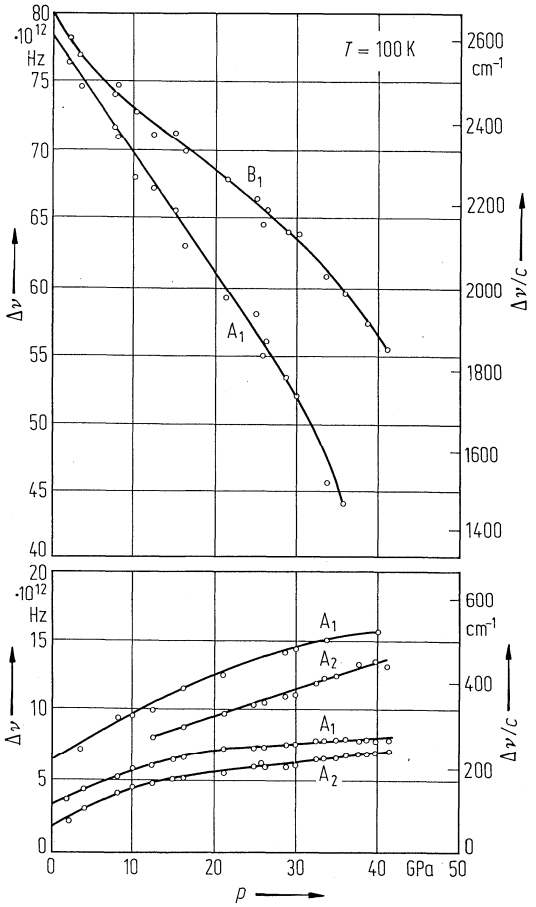

Fig. 27A-1-012. HCl. $\Delta\nu$ vs. p at 100 K [84Joh]. $\Delta\nu$: Raman frequency shift.

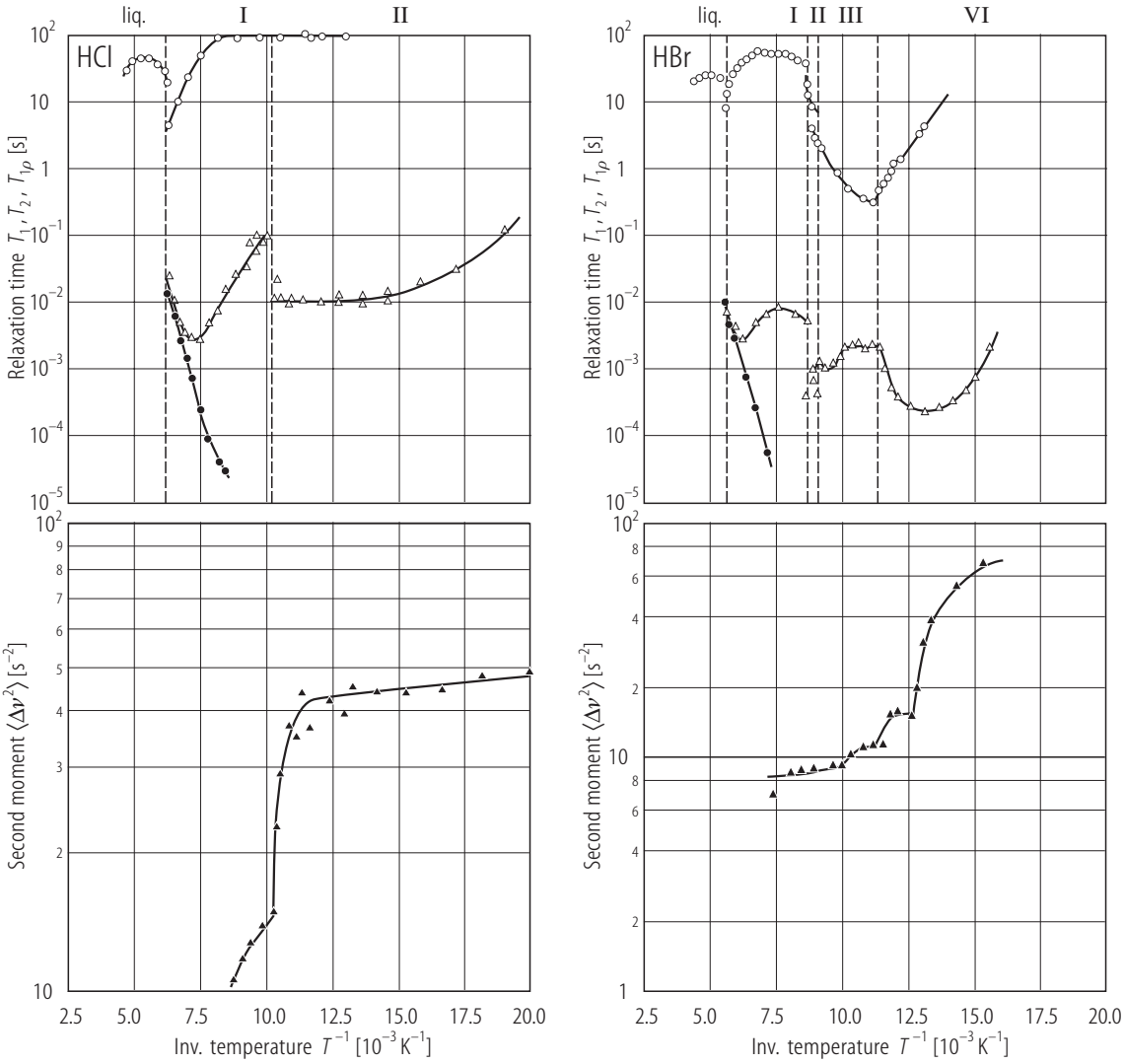

Fig. 27A-1-013. HCl, HBr. T_1, T_2, $T_{1\rho}$, $\langle \Delta\nu^2 \rangle$ vs. $1/T$ [68Gen]. Open circle: proton spin lattice relaxation time T_1, full circles: spin-spin relaxation time T_2, open triangles: rotating frame relaxation time $T_{1\rho}$, full triangles: second moment $\langle \Delta\nu^2 \rangle$. rf magnetic field strength $H_1 = 1273.2$ A m^{-1}.

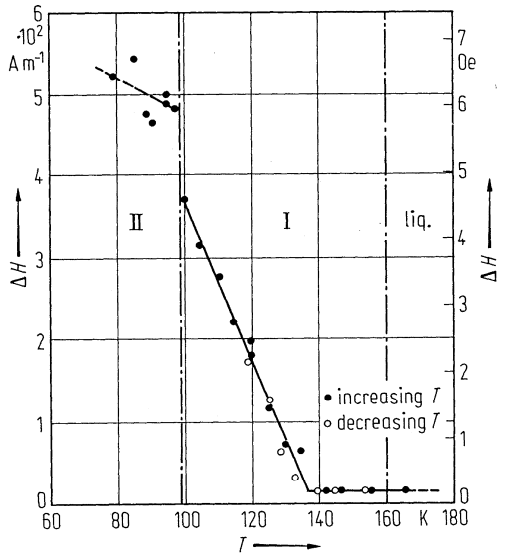

Fig. 27A-1-014. HCl. ΔH vs. T [49Alp]. ΔH: NMR line width of proton.

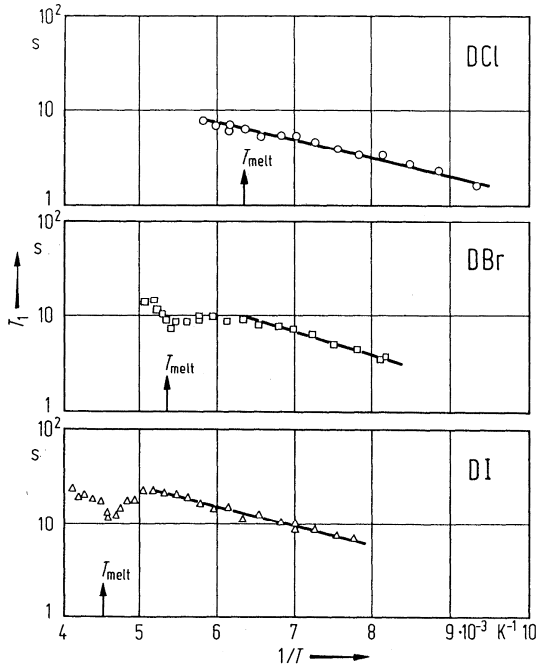

Fig. 27A-1-015. DCl, DBr, DI. T_1 vs. $1/T$ [68Gen]. T_1: deuteron spin lattice relaxation time.

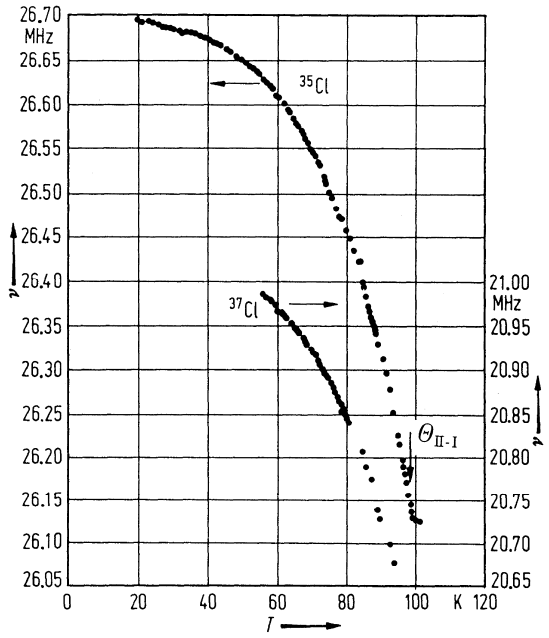

Fig. 27A-1-016. HCl. ν vs. T [68Oku]. ν: NQR frequency. See also [77Mac].

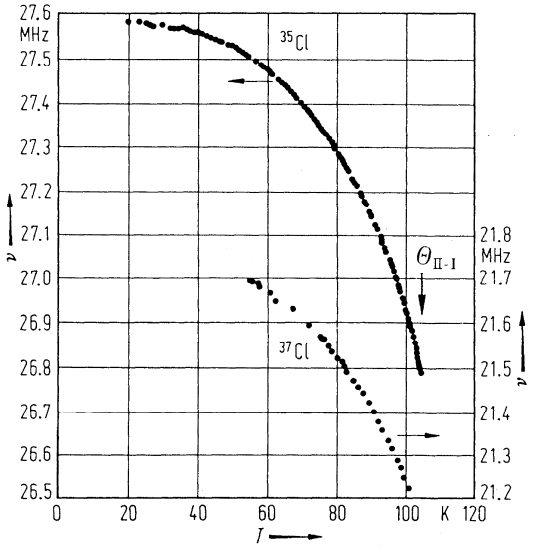

Fig. 27A-1-017. DCl. ν vs. T [68Oku]. ν: NQR frequency.

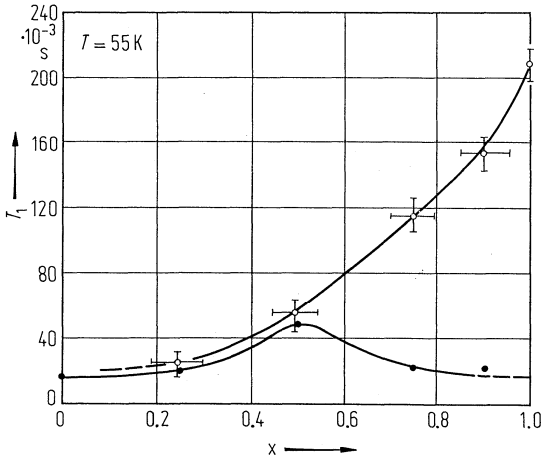

Fig. 27A-1-018. $H_{1-x}D_xCl$. T_1 vs. x at 55 K [83Cro]. T_1: spin-lattice relaxation time for ^{35}Cl belonging to H–Cl dipoles (full circles) and to D–Cl dipoles (open circles).

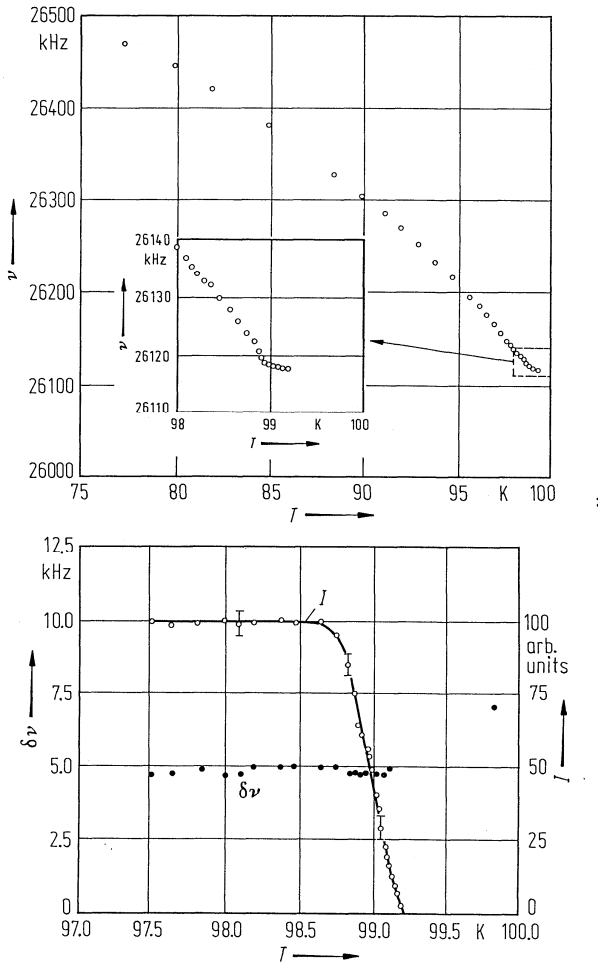

Fig. 27A-1-019. HCl. ν, $\delta\nu$, I vs. T [80Rig]. ν, $\delta\nu$, I: frequency, linewidth (half width at half maximum) and intensity of ^{35}Cl NQR line. See also Fig. 27A-1-016.

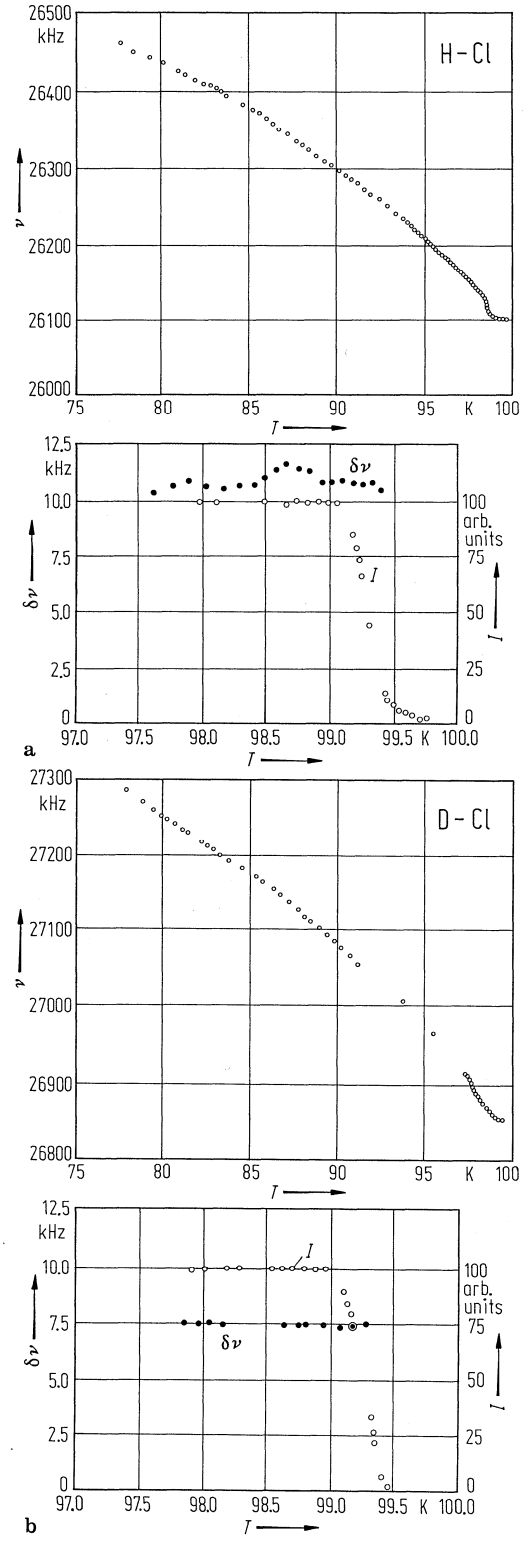

Fig. 27A-1-020. $H_{0.75}D_{0.25}Cl$. ν, $\delta\nu$, I vs. T [80Rig]. ν, $\delta\nu$, I: frequency, linewidth (half width at half maximum) and intensity of ^{35}Cl NQR line (**a**) for H–Cl molecules and (**b**) for D–Cl molecules.

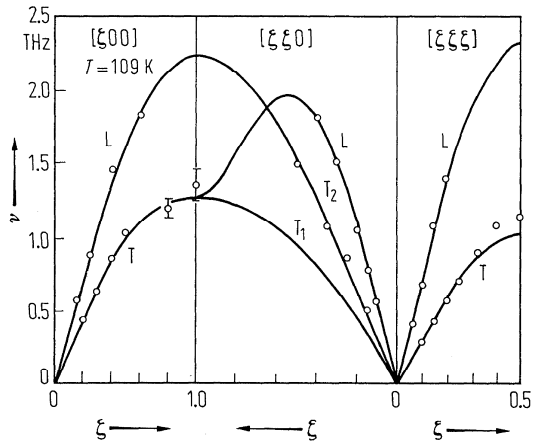

Fig. 27A-1-021. DCl. ν vs. ζ. [75Pre]. ν: phonon frequency, ζ: reduced wave vector coordinate.

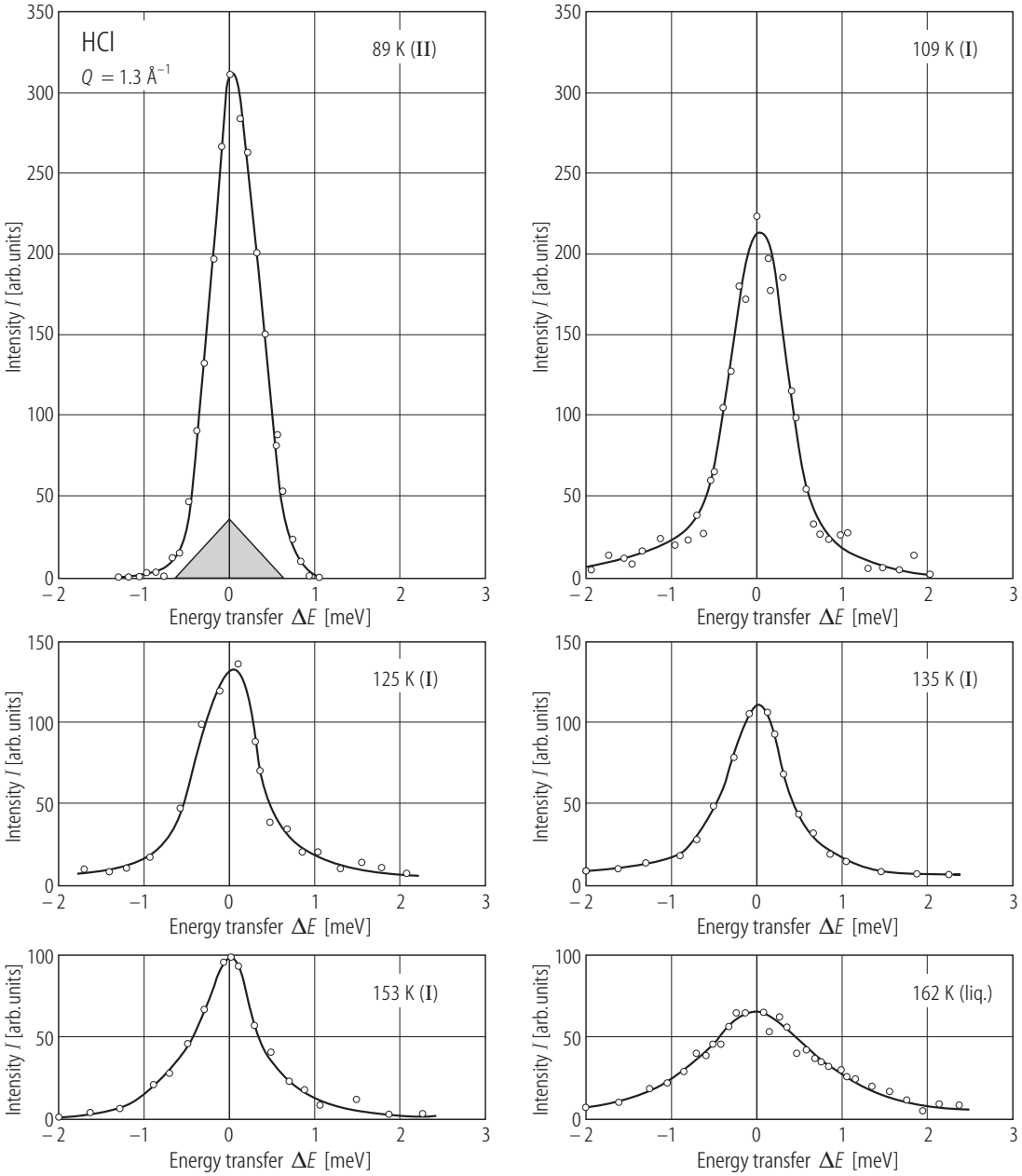

Fig. 27A-1-022. HCl. I vs. ΔE [78Fuj]. Parameter: T. I: incoherent neutron scattering intensity. ΔE: energy transfer of neutrons. Wave number coordinate $Q = 1.3$ Å^{-1}.