

Fig. 35A-13-001. TlTiOPO_4 . κ_{33} , κ_{33}^{-1} vs. T [85Vor]. $f = 1$ MHz.

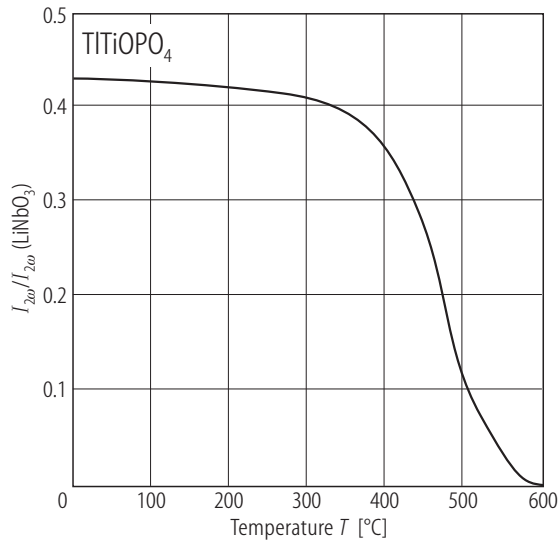


Fig. 35A-13-002. TlTiOPO_4 . $I_{2\omega}/I_{2\omega}(\text{LiNbO}_3)$ vs. T [88Vor]. $I_{2\omega}/I_{2\omega}(\text{LiNbO}_3)$: intensity of the second harmonic generation compared to that of LiNbO_3 . $\lambda = 1064$ nm.

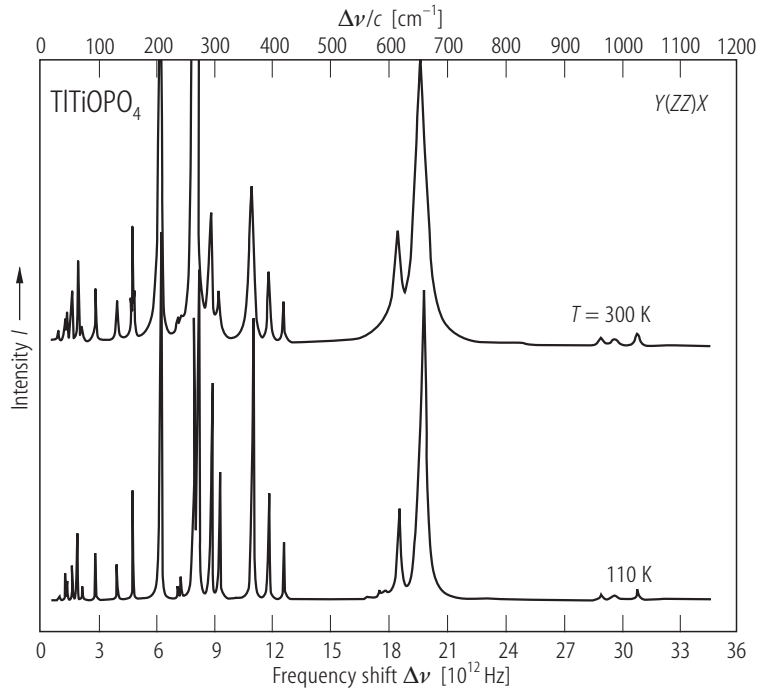


Fig. 35A-13-003. TiTiOPO_4 . Raman spectra obtained in $Y(ZZ)X$ geometry (A_1 transverse modes) [90Pis]. Parameter: T .

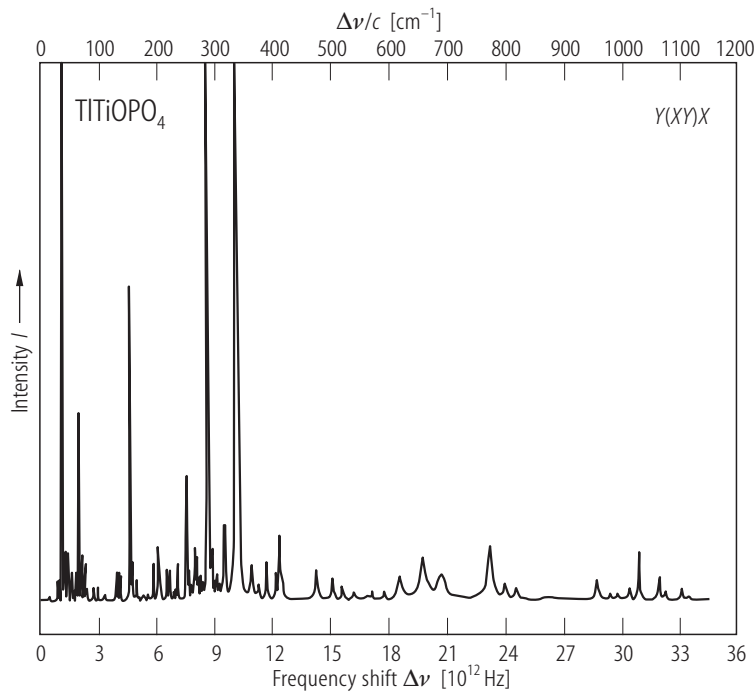


Fig. 35A-13-004. TiTiOPO_4 . Raman spectrum obtained in $Y(XY)X$ geometry [90Pis]. $T = 110 \text{ K}$.

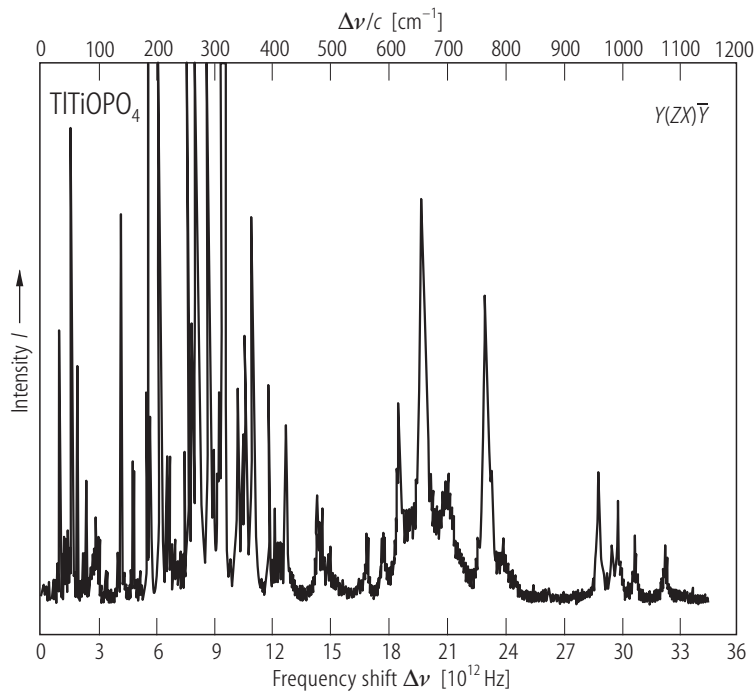


Fig. 35A-13-005. TiTiOPO_4 . Raman spectrum obtained for the B_1 transverse modes in $Y(ZX)\bar{Y}$ geometry [90Pis]. $T = 110 \text{ K}$.

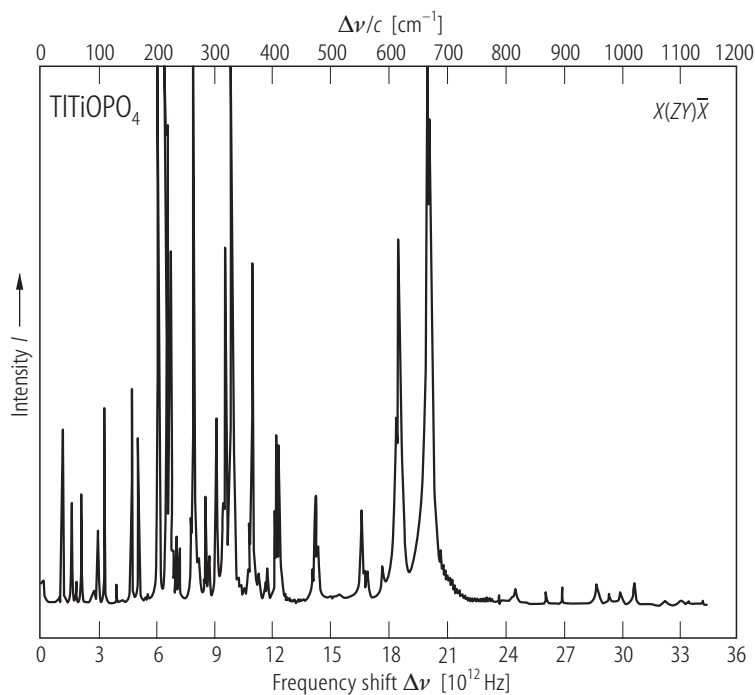


Fig. 35A-13-006. TiTiOPO_4 . Raman spectrum obtained for the B_2 transverse modes in $X(ZY)\bar{X}$ geometry [90Pis]. $T = 110 \text{ K}$.

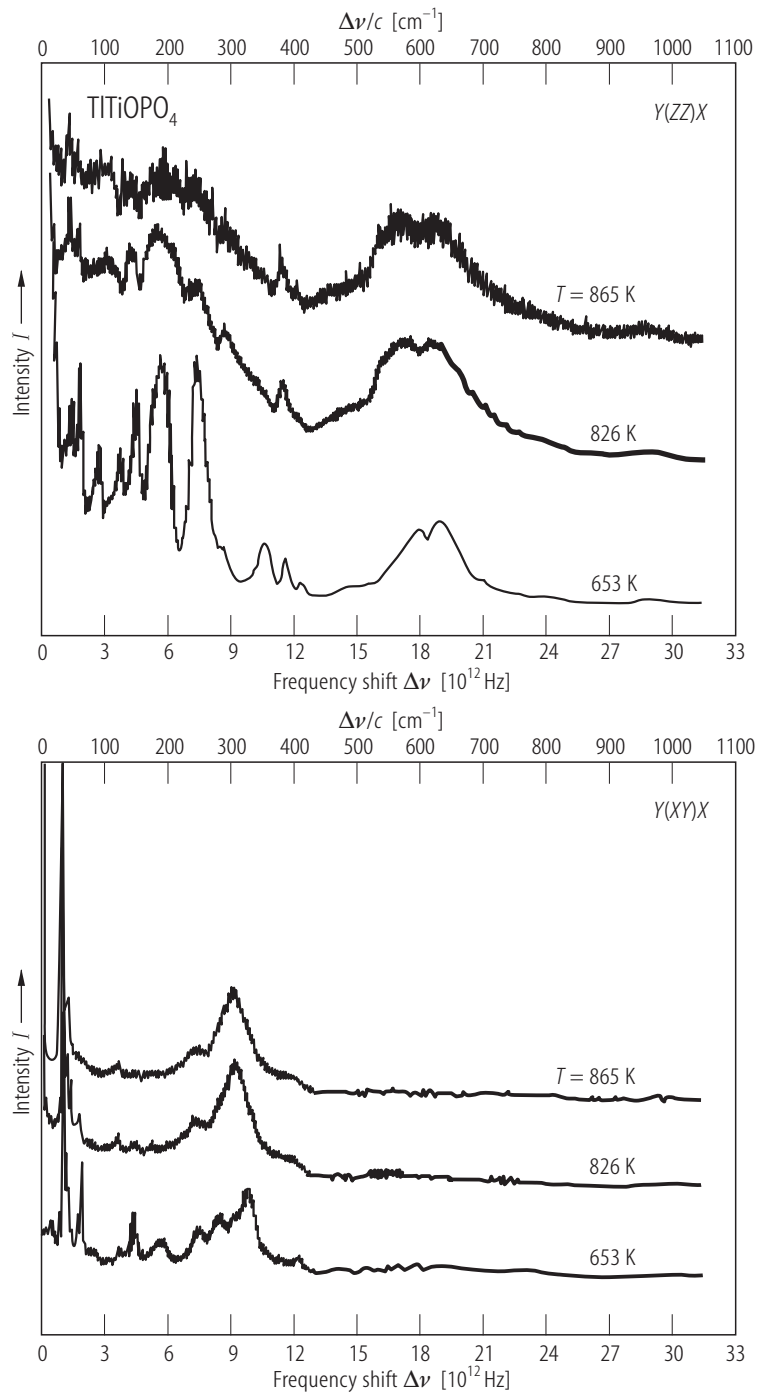


Fig. 35A-13-007. TiTiOPO_4 . Raman spectra obtained in $Y(ZZ)X$ and $Y(XY)X$ geometries [90Pis]. Parameter: T .

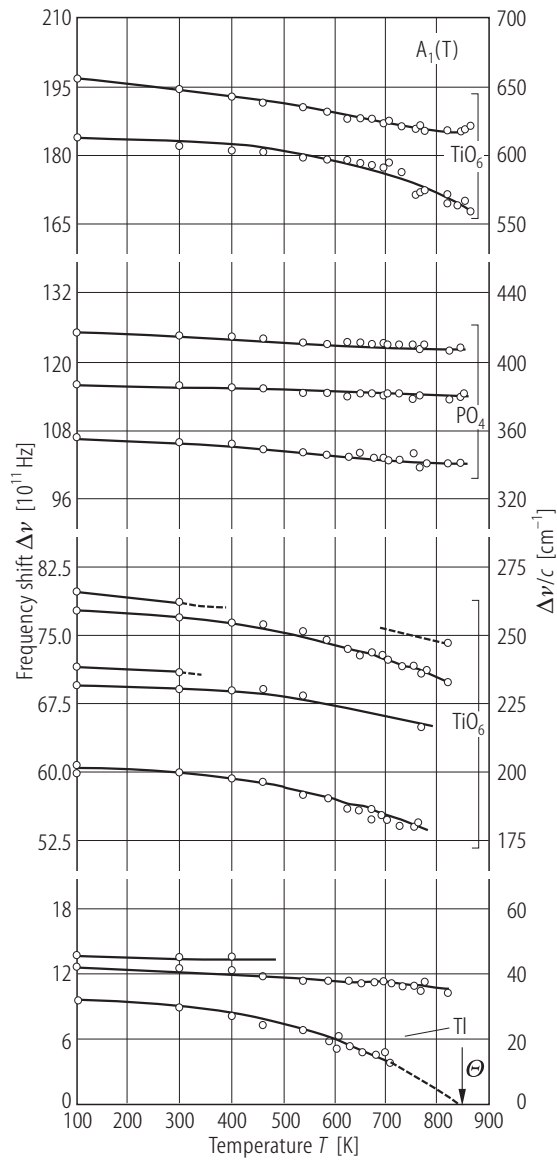


Fig. 35A-13-008. TlTiOPO₄. $\Delta\nu$ vs. T [90Pis]. $\Delta\nu$: Raman shift. Scattering geometry: $Y(\text{ZZ})X$ (pure A_1 transverse modes).

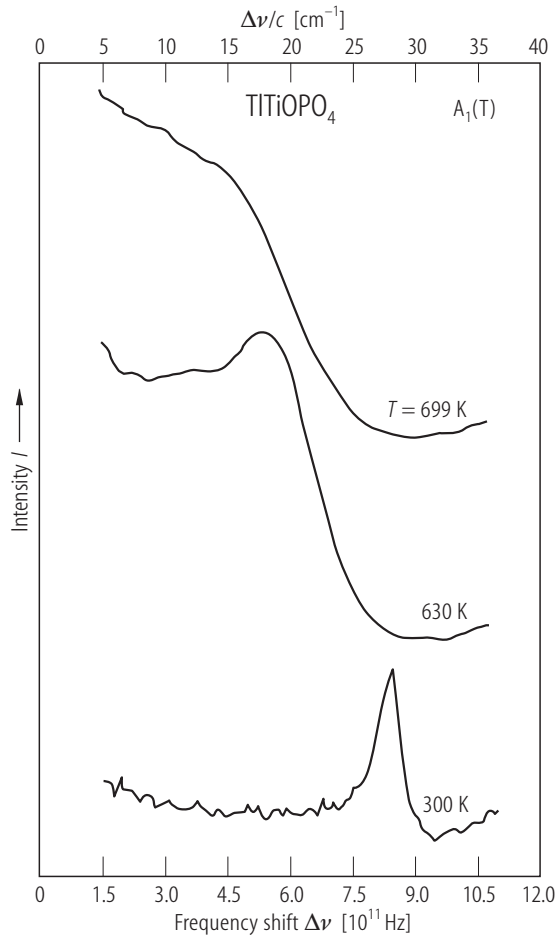


Fig. 35A-13-009. TlTiOPO_4 . Raman spectra of the soft A_1 (transverse) modes [90Pis]. Geometry: $X(ZZ)Y$. Parameter: T .

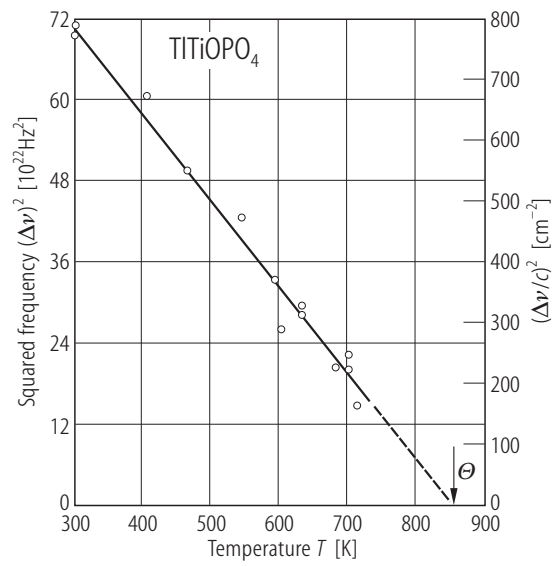


Fig. 35A-13-010. TlTiOPO_4 . $(\Delta\nu)^2$ vs. T [90Pis]. $\Delta\nu$: Raman shift of the soft mode.

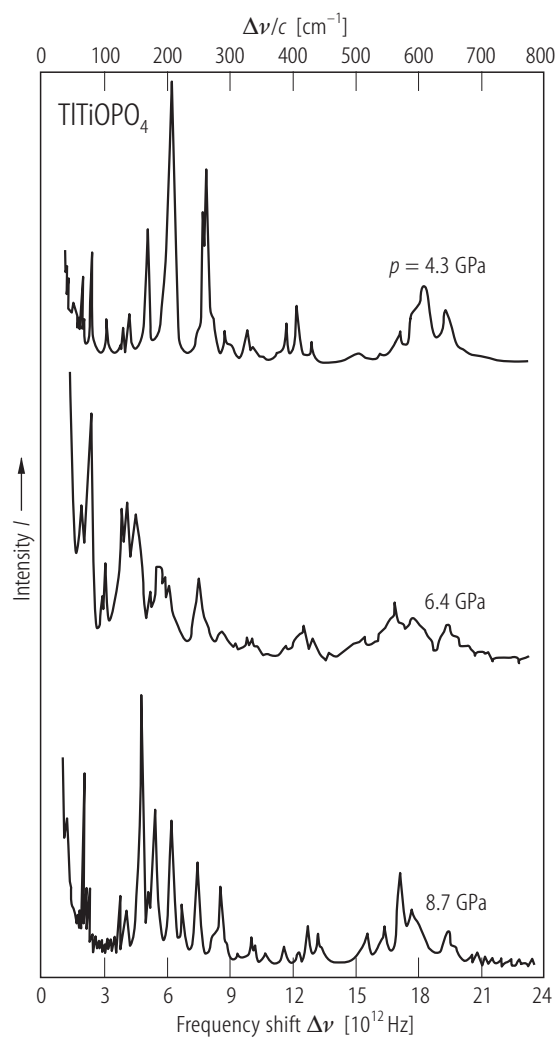


Fig. 35A-13-011. TiTiOPO_4 . I vs. $\Delta\nu$ [91Ser]. I : Raman scattering intensity. Parameter: p .