**substance: $Pr_2Te_3$**
**property: crystal structure, physical properties**

**crystal structure** cubic ($Th_3P_4$-defect structure, $T_d^6 - I\bar{4}3d$)

**lattice parameters**

| | | | |
|---|---|---|---|
| *a* | 9.479 Å | | 75B |
| | 9.481 Å | coordination polyhedra: Fig. 1 | 65F |

**heat capacity**: Fig.2

## References:


65F Flahaut, J., Guittard, M., Patrie, M., Pardo, M. P., Golabi, S. M., Domange, L.: Acta. Cryst. 19 (1965) 14.

66H Holtzberg, F., Methfessel, S.: J. Appl. Phys. 37 (1966) 1433.

75B Bucher, E., Andres, K., di Salvo, F. J., Maita, J. P., Gossard, A. C., Cooper, A. S., Hull jr., G. W.: Phys. Rev. B 11 (1975) 500.

75M Mitarov, R. G., Tikhonov, V. V., Vasilev, L. N., Golubkov, A. V., Smirnov, I. A.: Phys. Status Solidi (a) 30 (1975) 457.

**Fig. 1.**

$Th_3P_4$-type compounds. The coordination polyhedra of the cations and the anions. Full circles: Th- atoms, other circles: P-atoms [66H].

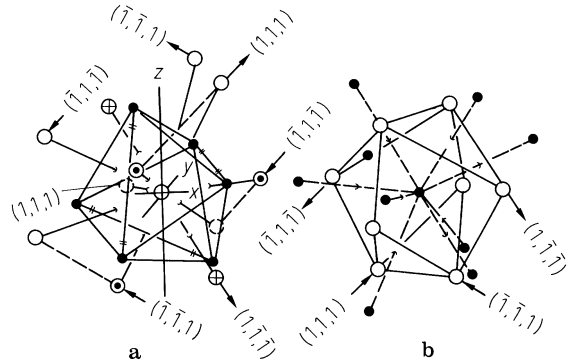

**Fig. 2.**

$La_2Te_3$, $Pr_2Te_3$. Molar heat capacity vs. temperature with inserted low temperature region [75M].