

**substance: CeD<sub>x</sub>**

**property: crystal structure**

**crystal structure** cubic (O<sub>h</sub><sup>5</sup> – Fm3m)

72L

**lattice parameters**

*a* 5.55253(10) Å *x* = 2.75

*Figures and further references:*

**crystal structure:** Fig. 1

**lattice parameters** vs. temperature for *x* = 2.75: Fig. 2

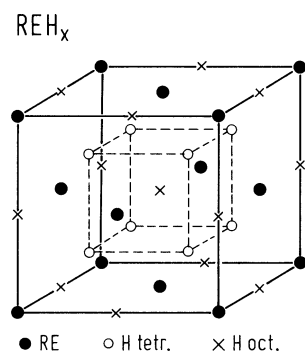
tetragonal structure below  $T = 252$  K [72L]

**References:**

72L Libowitz, G. G., Pack, J. G., Binnie, W. P.: Phys. Rev. B 6 (1972) 4540.

**Fig. 1.**

$\text{REH}_x$ . Unit cell of the  $\text{CaF}_2$ -type structure.



**Fig. 2.**

$\text{CeD}_{2.75}$ . Lattice parameters  $a$ ,  $c$ ,  $c/a$  ratio and unit cell volume  $V$  as a function of temperature [72L].

