

As – Cs (Arsenic – Cesium)

Phase diagram

A short review of this system has been published by Sangster et al. [93 San].

Phase equilibria of this system are not known.

Crystal structure

Crystal structure of intermediate phases are collected by [93 San] and are given in Table 1.

Table 1. As–Cs. Crystal data of intermediate phases [93 San].

Phase	Composition [at% As]	Structure	Prototype	Lattice parameters [nm]		Reference
				<i>a</i>	<i>c</i>	
As ₆ Cs	60	ort	Rb ₄ P ₆			[75 Hön]
β - As ₇ Cs ₃	60	cub	β - P ₇ Rb ₃	1.1692		[86 Hön]
				at 673 K		
α - As ₁₁ Cs ₃	78.6	ort	α - Na ₃ P ₁₁			[91 Sch]

References

- [75 Hön] Hönle, W.: Ph. D. Thesis, University Münster (1975)
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 [91 Sch] von Schnering, H.G., Sommer M., Kliche, G., Hönle, W., Meyer, T., Wolf, J., Ohse, L., Kempa, P.B.: Z. Anorg. Allg. Chem. **601** (1991) 13
 [93 San] Sangster, J., Pelton, A.D.: J. Phase Equilibria **14** (1993) 232