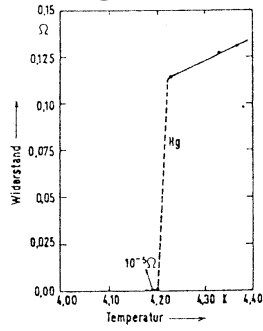
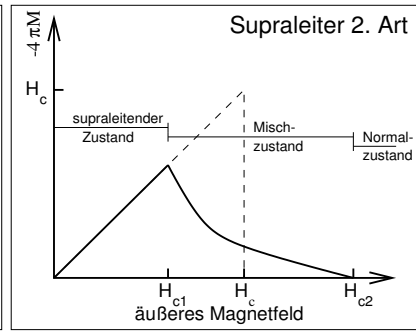
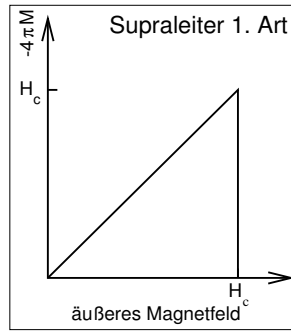


1. Allgemeines



SL von Hg (1913)



Supraleiter 1. und 2. Art

Low-T _c -SL		High-T _c -SL	
Verbindung	T _c [K]	Verbindung	T _c [K]
Hg	4.15	YBa ₂ Cu ₃ O _{7-x}	93
Nb	9.5	YBa ₂ Cu ₄ O _{8+x}	80
NbN	16.0	Bi _{2+x} (Sr, Ca) ₃ Cu ₃ O _{7-x}	110
Pb[Mo ₆ S ₈]	14.4	Tl ₂ Ba ₂ Ca ₂ Cu ₂ O ₁₀	125
K ₃ C ₆₀	18.0	HgBa ₂ Ca ₂ Cu ₃ O ₈	130
Nb ₃ Sn	18.05		
Nb ₃ Ge	23.2	La _{1.8} Sr _{0.2} CuO ₄	30
MgB ₂	39		

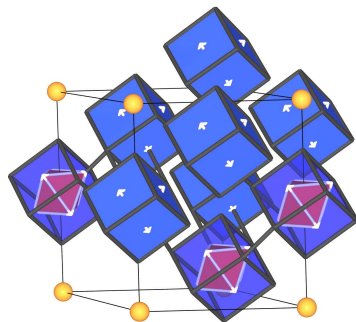
Sprungtemperaturen verschiedener Supraleiter

2. Low-T_c-Materialien

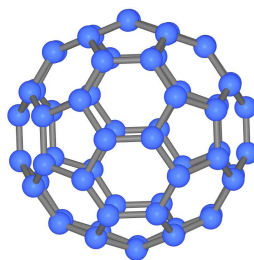
Li	Be											B	C	N	O	F	Ne
	0.026											Al	Si	P	S	Cl	Ar
Na	Mg											1.140					
												105					
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
			0.39	5.38							0.875	1.091					
			100	1420							53	51					
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
			0.546	9.50	0.92	7.77	0.51	0.0003			0.56	3.4035	3.722				
			47	1980	95	1410	70	0.049			30	293	309				
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
			6.00	0.12	4.483	0.012	1.4	0.655	0.14		4.153	2.39	7.193				
			1100		830	1.07	198	65	19		412	171	803				
Fr	Ra	Ac	Ce	Pr	Nd				Yb	Lu						
											0.1						
			Th	Pa	U												
			1.368	1.4													
			1.62														

keine Supraleiter
 Supraleiter unter Druck

Supraleitende Elemente



Chevrel-Phase Pb[Mo₆S₈]



K₃C₆₀

