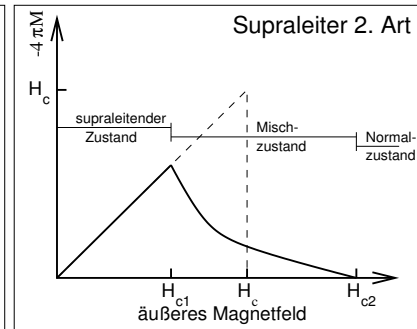
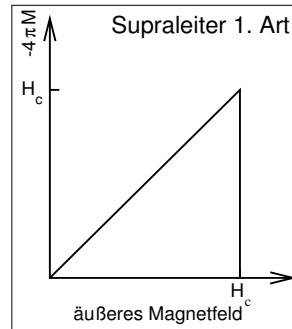
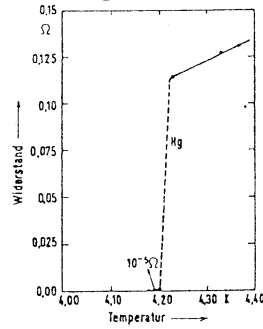


1. Allgemeines



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																					
Na	Mg											Al	Si	P	S	Cl	Ar					
												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																			

Ti	
0.39	Sprungtemperatur [K] kritisches Magnetfeld [Gauss]
100	

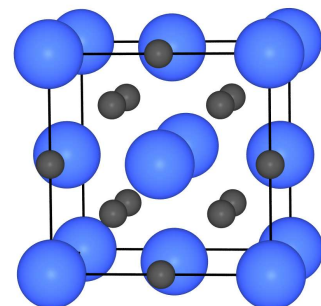
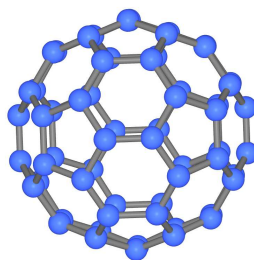
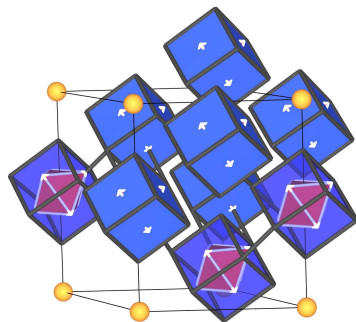
keine Supraleiter

Supraleiter unter Druck

Ti
0.39 Sprungtemperatur [K]
100 kritisches Magnetfeld [Gauss]

keine Supraleiter
Supraleiter unter Druck

Supraleitende Elemente

Chevrell-Phase Pb[Mo₆S₈]K₃C₆₀