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## Molecular Crystals and Liquid Crystals

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### Regular tetrahedron

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REGULAR TETRAHEDRON

	K	KP <sub>1</sub>	KP <sub>2</sub>	I	Ref	
					Ph	Tr
C H <sub>4</sub>	-263	.	-253	-182	.	86-200-197
			α10.8		169	
			χ4.98 <sub>196</sub>		169	
C F <sub>4</sub>	-197	.	-	-184	.	86
	0.354					86
	95.16					177
	89.7					178
	2.046					
	2.2	ρ1.943 <sub>96</sub>			178	178
				1.8		86
	R4					177
C Cl <sub>4</sub>	-48	.	-	-23	.	86-200-197
	1.1			0.644		86-200-197
	50			33.3		44
				28.4		113
				28.34		184
	4.09			3.56		
	4.5			3.4		44
		χ7.84 <sub>22.9</sub>		3.92	α1.23	201
						189
		KP <sub>3</sub>	KP <sub>4</sub>	I		
		.	-42.7	-27.6	.	44
			1.34	0.44		44
			50	33.3		44
			5.7	2.0		44

	K	KP	I	Ref	
				Ph	Tr
<b>C</b> $[\text{CH}_3]_4$	. -133	. -17	. $\chi 4.08_{25}$	169	86-219
<b>C</b> $\text{Br}_4$	. 47 5.66	. 90 3.55	.		86-188 189