
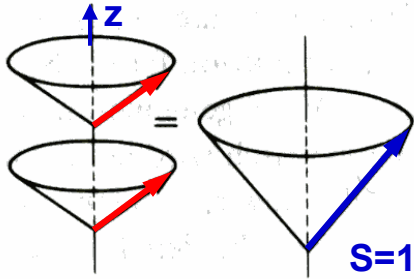

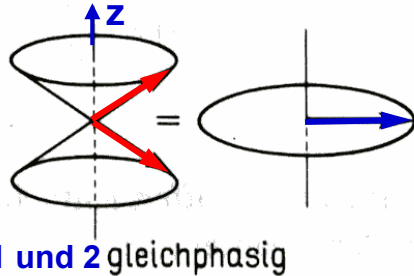

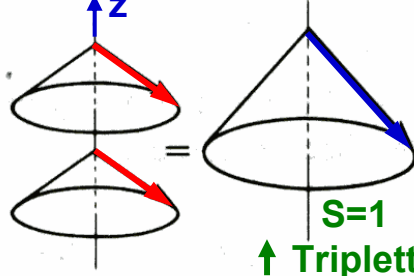



Gesamtspin S

z - Komponente

χ	ψ_r	χ	$S \ m_s$	
χ_s , symmetrisch (Triplett, „Spin parallel“)	$\psi_A(r)$ antisymmetrisch	$\chi_1^1 = \chi^+(1) \chi^+(2)$ 	1 1	
		$\chi_1^0 =$ $\frac{1}{\sqrt{2}} \{ \chi^+(1) \chi^-(2) + \chi^+(2) \chi^-(1) \}$ 	1 0	
		$\chi_1^{-1} = \chi^-(1) \chi^-(2)$ 	1 -1	
χ_A (Singulett) antisymmetrisch	$\psi_s(r)$ symmetrisch	$\chi_0^0 =$ $\frac{1}{\sqrt{2}} \{ \chi^+(1) \chi^-(2) - \chi^+(2) \chi^-(1) \}$ 	0 0	