

Examples of Higgsing

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	G	dim	ϕ	ϕ_{dim}	K	A^μ $m = 0$	A^μ $m \neq 0$	ϕ_{left}
p. 691	U(1)	1	$\mathbb{C}$	2	$\{0\}$	none	A	σ
p. 694	SU(2)	3	$\mathbb{C}^2$	4	$\{0\}$	none	$\vec{A}, m = \frac{g^2}{2}$	σ
p. 695	SU(2)	3	$\mathbb{R}^3$	3	L_3	A_3	$m_1 = m_2 = gv$	σ
p. 696-7	SU(3)	8	octet	8	$\text{SU}(2) \times Y$	$\vec{T}, Y$	A_{4-7}	
p. 697	SU(3)	8	octet	8	T_3, Y	T_3, Y	$m_1 = m_2 = 2g\phi,$ $m_{4-7} = g\phi$	depends on ϕ_0
lect28	$\text{SU}(2) \times \text{U}(1)$	4	$\mathbb{C}^2$	4	$T_3 + Y$	photon	$Z, W^\pm$	Higgs