

VECTOR MULTIPLIET WITH 16 SUPERCHARGES

	Bosonic d.o.f	Bosonic fields	Fermionic d.o.f	Fermionic fields
$10, N=1$ $so(8)_L$	$\underline{8}_V$	A_μ	$\underline{8}_S$	$\underline{8}_\alpha$
$9, N=1$ $so(7)_L$	$\underline{7} + \underline{1}$	$A_\mu + \varphi$	$\underline{8}$	$\underline{8}_\alpha$
$8, N=1$ $SU(4)_L \times U(1)_R$	$\underline{6}_0 + \underline{1}_2 + \underline{1}_{-2}$	$A_\mu + \varphi + \bar{\varphi}$	$\underline{4}_1 + \underline{4}_{-1}$	$\underline{3}_2 + \underline{3}_\alpha$
$7, N=2$ $Sp(2)_L \times SU(2)_R$	$(\underline{5}; \underline{1}) + (\underline{1}; \underline{3})$	$A_\mu + \varphi^i, i=1,2,3$	$(\underline{4}; \underline{2})$	$\underline{3}_\alpha^a, a=1,2$
$6, N=(1,1)$ $SU(2)_L^2 \times SU(2)_R$	$(\underline{2}, \underline{2}; \underline{1}, \underline{1}) + (\underline{1}, \underline{1}; \underline{2}, \underline{2})$	$A_\mu + \varphi^{aa}, a=1,2$	$(\underline{2}, \underline{1}; \underline{2}, \underline{1}) + (\underline{1}, \underline{2}; \underline{1}, \underline{2})$	$\underline{3}_\alpha^a + \underline{3}_\alpha^{\dot{a}}, a=1,2$
$5, N=4$ $SU(2)_L \times Sp(2)_R$	$(\underline{3}; \underline{1}) + (\underline{1}; \underline{3})$	$A_\mu + \varphi^i, i=1,2,3,4$	$(\underline{2}; \underline{4})$	$\underline{3}_\alpha^a, a=1,2,3,4$
$4, N=4$ $U(1)_L \times SU(4)_R$	$(\underline{q}^2 + \underline{q}^{-2}) + \underline{6}(\underline{q}^0)$	$A_\mu + \varphi^i, i=1,2,3,4$	$\underline{4}(\underline{q}^1) + \underline{4}(\underline{q}^{-1})$	$\underline{3}_\alpha^a + \underline{3}_\alpha^{\dot{a}}, a=1,2,3,4$

TENSOR MULTIPLIET WITH 16 SUPERCHARGES

	Bosonic d.o.f	Bosonic fields	Fermionic d.o.f	Fermionic fields
$6, N=(2,0)$ $SU(2)_L^2 \times Sp(2)_R$	$(\underline{3}, \underline{1}; \underline{1}) + (\underline{1}, \underline{1}; \underline{3})$	$B_\mu^T + \varphi^i, i=1,2,3,4,5$	$(\underline{2}, \underline{1}; \underline{4})$	$\underline{3}_\alpha^a, a=1,2,3,4$
				$M_5, NSS \text{ in IIA}$ with compact scalar