ON-SHELL DEGREES OF FREEDOM

	1-form	2-form	3-form	4-form	Graviton	Spinor	Gravitino	
11 SO(9)	$\underline{9}$ [1000]	$\underline{36}$ [0100]	$\underline{84}$ [0010]	$\underline{126}$ [0002]	$\underline{44}$ [2000]	$\underline{16}$ [0001]	$\underline{128}$ [1001]	
10 SO(8)	$\underline{8}_v$ [1000]	$\underline{28}$ [0100]	$\underline{56}_v$ [0011]	$\underline{35}_s$ [0020] (+) $\underline{35}_c$ [0002] (−)	$\underline{35}_v$ [2000]	$\underline{8}_s$ [0010] (+) $\underline{8}_c$ [0001] (−)	$\underline{56}_s$ [1010] (+) $\underline{56}_c$ [1001] (−)	chiral
9 SO(7)	$\underline{7}$ [100]	$\underline{21}$ [010]	$\underline{35}$ [002]	Dual to 3-form	$\underline{27}$ [200]	$\underline{8}$ [001]	$\underline{48}$ [101]	
8 SU(4)	$\underline{6}$ [100]	$\underline{15}$ [011]	$\underline{10}$ [020] (+) $\underline{\bar{10}}$ [002] (−)	Dual to 2-form	$\underline{20}$ [200]	$\underline{4}$ [010] (+) $\underline{\bar{4}}$ [001] (−)	$\underline{20'}$ [110] (+) $\underline{20''}$ [101] (−)	not chiral
7 Sp(2)	$\underline{5}$ [10]	$\underline{10}$ [02]	Dual to 2-form	Dual to 1-form	$\underline{14}$ [20]	$\underline{4}$ [01]	$\underline{16}$ [11]	
6 SU(2)²	$(\underline{2},\underline{2})=(1,1)$	$(\underline{3},\underline{1})=(2,0)$ (+) $(\underline{1},\underline{3})=(0,2)$ (−)	Dual to 1-form	Dual to scalar	$(\underline{3},\underline{3})=(2,2)$	$(\underline{2},\underline{1})=(1,0)$ (+) $(\underline{1},\underline{2})=(0,1)$ (−)	$(\underline{3},\underline{2})=(2,1)$ (+) $(\underline{2},\underline{3})=(1,2)$ (−)	chiral
5 SU(2)	$\underline{3}=[2]$	Dual to 1-form	Dual to scalar	−//−	$\underline{5}=[4]$	$\underline{2}=[1]$	$\underline{4}=[3]$	
4 U(1)	q^2+q^{-2}	Dual to scalar	−//−	−//−	q^4+q^{-4}	q^1 (+) q^{-1} (−)	q^3 (+) q^{-3} (−)	not chiral
3 −//−	Dual to scalar $\Rightarrow$ 1	−//−	−//−	−//−	0	1	0	

In D=5 the second notation is $(2j)$. The first is the dimension and thus $(2j+1)$

In D=6 the second notation is $(2j,2j')$. The first is the dimension and thus $(2j+1, 2j'+1)$