

Smith

II D branes

$$d = 10$$

$$4\pi \varkappa^2 = (2\pi\ell_s)^8$$

$$p + q = 8$$

$$\text{RR field strength dual coupling } \not{p} \sim \begin{cases} D_p^- \\ D_q^- \end{cases}$$

$$(2\pi\ell_s)^p \not{D}_p^- (2\pi\ell_s)^q \not{D}_q^- = n \in \mathbb{Z}$$

open strings end \Rightarrow eff action=p-dim gauge theory

$$(2\pi\ell_s)^p \not{D}_p^- = \frac{1}{g_s}$$