

$$\begin{cases} \mathbb{F} & \mathbb{C}^2/\Gamma \\ \mathbb{R}^{1:7} & 7 \text{ brane } \Pi_{\mathbb{C}} \end{cases}$$

$$7 \text{ brane} = \mathbb{R}^{1:3} \times S_{\mathbb{C}}^2$$

generic D-brane codim 1 gauge $S_{\mathbb{R}}^3 \subset S_{\mathbb{C}}^2$

enhanced intersecting D-brane codim 2 gauge $S_{\mathbb{C}}^1 \subset S_{\mathbb{R}}^3$

gen sing $S_{\mathbb{C}}^2 \supset B \Rightarrow$ gauge

$$\mathbb{R}^{1:3} \times S = 7 \text{ brane}$$

$\Sigma_{\mathbb{C}}^1 = S \cap S' \Rightarrow$ enhanced gauge

$\mathbb{R}^{1:3} \times \Sigma$ colliding 7 branes