$$\mathrm{M}\ /Y3 = \begin{cases} D6 \\ N2^{-2} \end{cases} \quad \mathrm{SU}_3$$

$$H^{1:1}_{\mathbb{R}} - 1\,\text{vector multiplets}_{\mathbb{R}}$$

$$H^{2:1}_{\mathbb{R}} + 1\,\text{scalar multiplets}_{\mathbb{H}}$$

$$\not{3}^{xy} = {}^{x}\not{Y}^{\alpha}\, {}^{y}_{\alpha}\not{2} + \cdots$$

$$H^{1:1}_{\mathbb{R}} \ni {}^{y}_{\alpha}\not{2} \text{ basic harmonic 2-forms}$$

$${}^{y}_{\alpha}\not{2} \text{ closed/co-closed}$$

$$\mathrm{CS} \int\limits_{X\times Y} d\not{3} \wedge d\not{3} \wedge \not{3} = \int\limits_{X} d\not{Y}^{a} \wedge d\not{Y}^{b} \wedge \not{Y}^{c} \int\limits_{Y} {}^{y}_{a}\not{2} \wedge {}^{y}_{b}\not{2} \wedge {}^{y}_{c}\not{2}$$