

IIB fields

$$\left\{ \begin{array}{l} \mathbb{R} \\ \mathcal{Z} \\ \mathcal{Q} \end{array} \right\} = \left\{ \begin{array}{l} \mu\nu \mathbb{R} \\ \mu\nu \mathcal{Z} \\ \mathcal{Q} \end{array} \right\} = \left\{ \begin{array}{l} \mu\nu\rho\sigma \mathcal{A} \\ \mu\nu \mathcal{Z} \\ \mathcal{Q} \end{array} \right\}$$

$$\underline{\mathcal{A}} = \underline{\mathcal{A}}^*$$

$$\text{gravitino} \left\{ \begin{array}{l} \mathcal{X}^0 \\ \mathcal{X}^1 \end{array} \right. \left\{ \begin{array}{l} \gamma_{11} \mathcal{X}^0 = \mathcal{X}^0 \\ \gamma_{11} \mathcal{X}^1 = \mathcal{X}^1 \end{array} \right.$$

$$\text{dilatino} \left\{ \begin{array}{l} \mathcal{O}^0 \\ \mathcal{O}^1 \end{array} \right. \left\{ \begin{array}{l} \gamma_{11} \mathcal{O}^0 = -\mathcal{O}^0 \\ \gamma_{11} \mathcal{O}^1 = -\mathcal{O}^1 \end{array} \right.$$

$$\text{SUSY} \left\{ \begin{array}{l} \varepsilon^0 \\ \varepsilon^1 \end{array} \right. \left\{ \begin{array}{l} \gamma_{11} \varepsilon^0 = \varepsilon^0 \\ \gamma_{11} \varepsilon^1 = \varepsilon^1 \end{array} \right.$$

$$\text{NS} \left\{ \begin{array}{l} g \text{ metric} \\ \mathcal{Z} \\ \phi \end{array} \right. \left\{ \begin{array}{l} e_\mu^m = \text{vielbein 4} \\ \text{2-potential } B_{\mu\nu} \\ \text{dilaton scalar} \end{array} \right.$$

$$\text{IIB RRforms} \left\{ \begin{array}{l} \mathcal{Q} \\ \mathcal{Z} \\ \mathcal{A} \end{array} \right.$$

$$\underline{\mathcal{A}} = * \underline{\mathcal{A}}$$

chiral IIB fermi NR : N2 SUSY

$$\mathcal{O} + i \mathbf{e}^{-\mathcal{Q}} \in \mathbb{R}_2^{\text{C}} / \mathbb{R}_2^{\text{U}}$$

$$\psi: \tilde{\psi} 16 = 2^4 \text{ IIB spinors } \psi * -\tilde{\psi}$$

$$\text{IIB2:2} \begin{array}{c} \xleftrightarrow{ep} \\ \xleftrightarrow{mq} \end{array}$$