

*Input variables*

**DATA**

*Target*

$$\vec{X} = (p_T, \eta, \phi, \rho)$$

$$\begin{matrix} \vec{X} \\ y_1 \end{matrix}$$

$$\begin{matrix} \vec{X} \\ y_1 \\ y_2 \end{matrix}$$

$\vdots$

$$\begin{matrix} \vec{X} \\ y_1 \end{matrix}$$

$\cdots$

$$\begin{matrix} \cdots \\ y_{n-1} \end{matrix}$$

$$y_1$$

$$y_2$$

$$y_3$$

$\vdots$

$$y_n$$

*Input variables*

**SIM**

*Target*

$$\vec{X} = (p_T, \eta, \phi, \rho)$$

$$\begin{matrix} \vec{X} \\ y_1^{\text{corr}} \end{matrix}$$

$$\begin{matrix} \vec{X} \\ y_1^{\text{corr}} \\ y_2^{\text{corr}} \end{matrix}$$

$\vdots$

$$\begin{matrix} \vec{X} \\ y_1^{\text{corr}} \end{matrix}$$

$\cdots$

$$\begin{matrix} \cdots \\ y_{n-1}^{\text{corr}} \end{matrix}$$

$$y_1$$

$$y_2$$

$$y_3$$

$\vdots$

$$y_n$$

