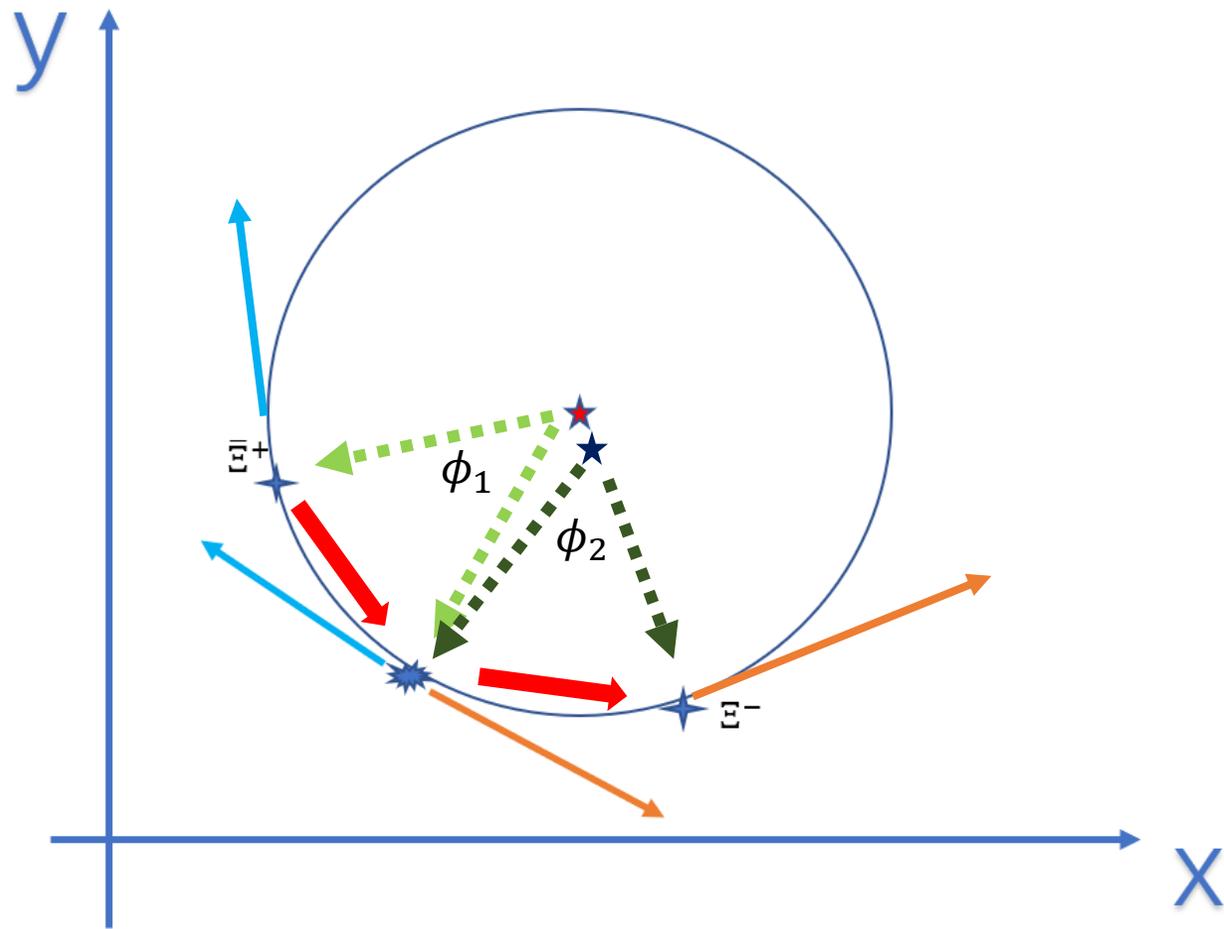


$$\mathbb{P}_{system}(\sin(0.011) * 3.097, 0, 0, 3.097)$$



- ◆ In my decay process  $J/\psi \rightarrow \bar{\Xi}^+ \Xi^-$ ,  $\bar{\Xi}^+ \rightarrow \bar{\Lambda} \pi^+$ ,  $\Xi^- \rightarrow \Lambda e^- \bar{\nu}_e$ ,  $\bar{\Lambda} \rightarrow \bar{p}^- \pi^+$ ,  $\Lambda \rightarrow p^+ \pi^-$ , the four momentum of  $\Xi^-$  can only be gotten by recoiling the  $\bar{\Xi}^+$ .
- ◆ Monte Carlo haven't simulated the rotation and Energy loss of  $\Xi$ 's life in truth information.
- ◆ We can check the correction by using the data.
- ◆ We use control sample  $J/\psi \rightarrow \bar{\Xi}^+ \Xi^-$ ,  $\bar{\Xi}^+ \rightarrow \bar{\Lambda} \pi^+$ ,  $\Xi^- \rightarrow \Lambda \pi^-$ ,  $\bar{\Lambda} \rightarrow \bar{p}^- \pi^+$ ,  $\Lambda \rightarrow p^+ \pi^-$

$Angle(p_{reconstructed}^{\Xi^-}, p)$

$$\mathbb{P}_{\pi^-} = \mathbb{P}_{\Xi^-} - \mathbb{P}_{\Lambda}$$

