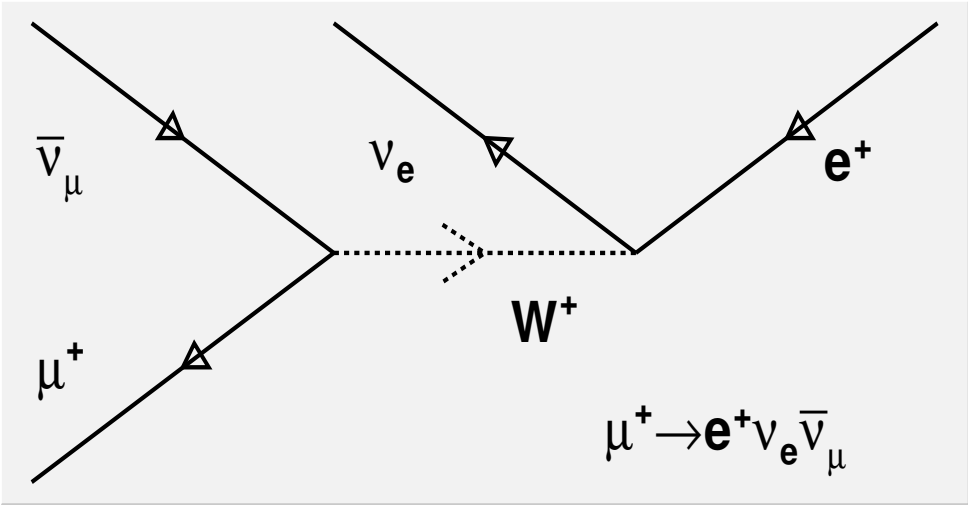
TWIST

- TRIUMF Weak Interaction Symmetry Test (TWIST)
- High Precision measurement of doubly differential spectrum for polarized muon decay $\frac{d\Gamma}{dE\, d\vartheta}(\rho, \delta, \eta, P_\mu \xi)$



$\sigma(\rho) = [\pm 5(\text{stat}) \pm 9.2(\text{syst})] \cdot 10^{-5}$
$\sigma(P_\mu \xi) = [\pm 10(\text{stat}) \pm 10(\text{syst})] \cdot 10^{-5}$
$\sigma(\delta) = [\pm 8(\text{stat}) \pm 9.5(\text{syst})] \cdot 10^{-5}$
$\sigma(\eta) = \text{tba}$

- Sensitive to departures from V−A structure of electroweak interaction