ntroduction **Jet Physics** Previous work Proposed model Experiments Conclusions

## Classification of W-bosons

## Input

Momentum estimates of jet constituents

## Goal

Infer the progenitor particle of the jet.

$$\{x_1,\ldots,x_n\} o \begin{cases} W ext{-boson (signal)} \\ \mathsf{QCD (background)} \end{cases}$$

Binary classification problem!