

Inputs:

- measured v_n
- measured centrality

GetEvent():

Loop over particles of the event, multiplicity of the event determined according to centrality

In loop:

Construct tracks and save them to **a list**

GetParticleLists():

- Sort particles to **detector lists**
- Sort particles also to **sub-event lists**

AnalyzeEvent():

Construct Q-vectors and calculate quantities for retrieving v_n in other script later

Output is histograms for:

- R_{true}
- R_{sub}
- V_{obs}
- $Q_n Q_{nA}^* / |Q_{nA}|$
- $Q_{nA} Q_{nB}^* / |Q_{nA} Q_{nB}|$
- $Q_n Q_{nA}^*$
- $Q_{nA} Q_{nB}^*$