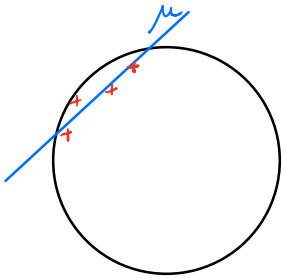
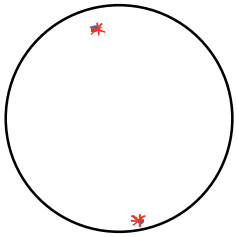
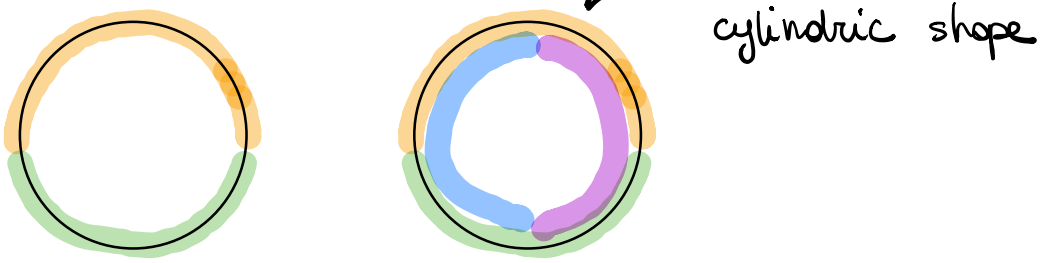




We know: the detection are bounded
(± 15 slices in simulation, in reality?)

μ: all detections in a subset of slices
Ar39: isotropic deposit → spread detections

QUADRANT DECOMPOSITION



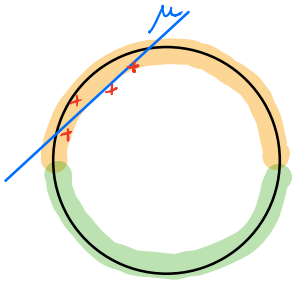
2 quadrant

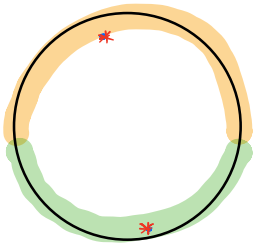
4 quadrant

EXAMPLE

Suppose μ, 2Ar39 w/ same NPE = K

2 Ar39





Quad 1

Quad 2

Quad 1 : NPE = K

Quad 2 : NPE = 0

Quad 1 : NPE = K/2

Quad 2 : NPE = K/2

Idea: for each quadrant compute

- NPE or $\frac{\text{NPE}}{\text{1 quadr}}$
- STDDEV of detections

e.g. 4 quadrant $\longrightarrow$ 8 features $\ll$ 72