Vertex distribution of ν_e candidate events

beam direction

2000 Vertex Y (cm) -2000 / Vertex X (cm)
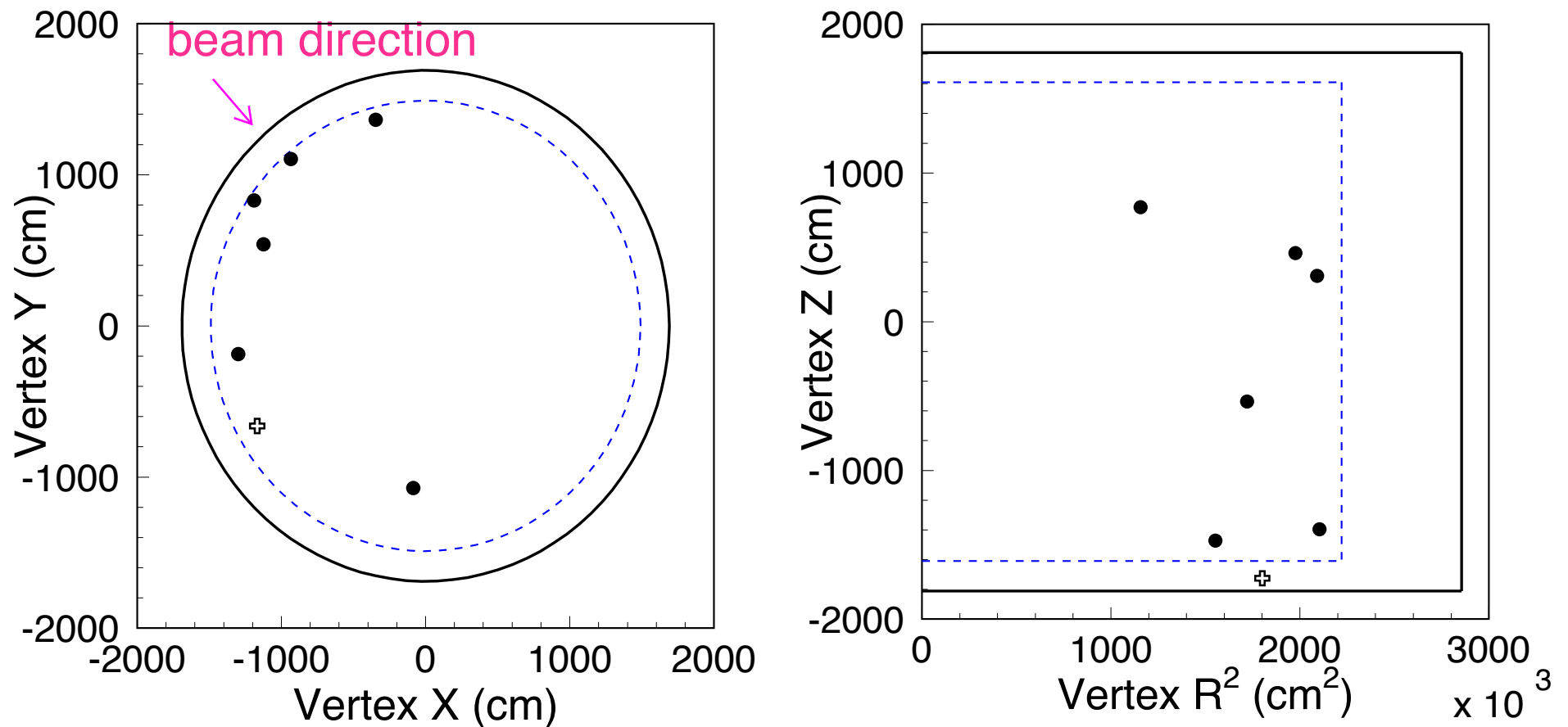
2000 Vertex Z (cm) -2000 / Vertex R^2 (cm^2) x 10^3

✛ Event outside FV

These events are clustered at large R
→ Perform several checks. for example

* Check distribution of events outside FV → no indication of BG contamination

* Check distribution of OD events → no indication of BG contamination

* K.S. test on the R^2 distribution yields a p-value of 0.03