

Loop from 0 to Ntrials

Inner Loop: from 0 to Repetition

- Definition of
LineShape and
onset.

- Discretization of the
Lineshape (FreqStep)

- Generate Counts
for each frequency

add a delay ($\pm \text{FreqStep}/2$)
 $\text{onset} = \text{onset} + \text{delay}$

- Annihilation on the Walls
- Annihilation Residual Gas
- Cosmic Background

Generate radius
for each type of
event.

Fill and Save
the DataSet.