

root

fileName expression 'Porter\_A3\_scan'+\_i

fileGroup expression 'A3 scan'

init

counter.countAgainst choice 'TIME'

counter.timePreset expression 270

Loops

vary

\_i start 1 step 1 stop 4

subloop

vary

sampleThetaMotor start -39 step 5 stop 321

## Trajectory Comments

Single quotes are text input

Produces filename:  
Porter\_A3\_scan1,  
Porter\_A3\_scan2,  
Porter\_A3\_scan3, etc

Spaces will produce  
underscores '\_'

Creates filegroup called  
A3\_scan

This steps by 1 from 1 to 4. At each step, it proceeds to subloop.

This expression scan  
sampleThetaMotor (A3)  
in increments of 5 from -  
39 to 321.

At each increment is  
counts 270s. Then, it goes  
back to main loop and  
steps 1.