**Note for matching Simulations with Configuration files**

SPECT:

Instead of using the old two templates(mostly the same), I created a new template named SPECT.mac

Send from simulation.php to updateconf.php

Format: type name text

**1. Collimator type**

SPECT,Collimator\_type,1MGP10.mac

Change this line:

/control/execute ../mac/1MGP10.mac

Uncommon others:

#/control/execute ../mac/1MHR05.mac

#/control/execute ../mac/1MME30.mac

#/control/execute ../mac/5MWB10.mac

AND:

Change this line:

/control/execute 1MGP10\_inveonhousing.mac

Uncommon others:

/control/execute 1MHR05\_inveonHousing.mac

/control/execute 1MME30\_inveonHousing.mac

/control/execute 5MWB10\_inveonHousing.mac

**2. Radius of rotation**

SPECT,Radius\_of\_rotation,25/30/360

Change this line:

/gate/SPECThead/placement/setTranslation 127.5 0. 0. mm

To:

25:

/gate/SPECThead/placement/setTranslation 123.5 0. 0. mm

30:

/gate/SPECThead/placement/setTranslation 127.5 0. 0. mm

360:

/gate/SPECThead/placement/setTranslation 457.5 0. 0. Mm

AND:

/control/alias ROR 25/30/360 mm

**3. Isotope**

SPECT,Isotope,I123\_digitizer\_HI

**Change this line:**

To:

/control/execute ../mac/COBALT57\_digitizer.mac

/control/execute ../mac/I123\_digitizer\_HI.mac

/control/execute ../mac/I123\_digitizer\_LO.mac

/control/execute ../mac/I125\_digitizer.mac

/control/execute ../mac/T99M\_digitizersp20.mac

**4. Number of Projections & Acquisition time:**

**SPECT,ProjectionAndTime,30,45 /Users/ShiqiZhong/Documents/GATE-Monitor/GATE-Interactive-Monitor/**

SPECT,ProjectionAndTime,60,45

SPECT,ProjectionAndTime,30,30

Change:

# setSpeed

/gate/SPECThead/orbiting/setSpeed 0.1333333 deg/s

# setTimeSlice

/gate/application/setTimeSlice 45 s

# setTimeStop

/gate/application/setTimeStop 1350 s