[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l6

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /calibration/mvt/lorentz

[DB LOAD] ---> number of columns : 3

[DB LOAD] ---> loading data table : /calibration/mvt/bmt\_hv/drift\_fullfield

[DB LOAD] ---> number of columns : 3

[DB LOAD] ---> loading data table : /calibration/mvt/bmt\_hv/drift\_midfield

[DB LOAD] ---> number of columns : 3

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

SUCCESSFULLY LOADED BMT CONSTANTS....

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 11

[DB] ---> database time stamp : Sun Mar 04 09:36:25 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /geometry/cvt/svt/svt

[DB LOAD] ---> number of columns : 21

[DB LOAD] ---> loading data table : /geometry/cvt/svt/region

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /geometry/cvt/svt/support

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/svt/fiducial

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /geometry/cvt/svt/material/box

[DB LOAD] ---> number of columns : 4

[DB LOAD] ---> loading data table : /geometry/cvt/svt/material/tube

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /geometry/cvt/svt/alignment

[DB LOAD] ---> number of columns : 8

reading alignment shifts from database

[DB] ---> database disconnect : success

\*\*\*\* Found map with base file name: clas12-fieldmap-solenoid

phi min: 0.00 max: 360.00 Np: 1 delta: Infinity

rho min: 0.00 max: 300.00 Np: 601 delta: 0.500

z min: -300.00 max: 300.00 Np: 1201 delta: 0.500

Num Field Values: 721801

Grid CS: CYLINDRICAL

Field CS: CYLINDRICAL

length Unit: CM

angular Unit: DEGREES

field Unit: kG

max field at index: 106225

Max Field Magnitude: 67.470657 kG

Max Field Vector:( 0.00000, -8.24639, 66.96482) magnitude: 67.47066

Max Field Location: (phi, rho, z) = ( 0.00000, 44.00000, -31.50000)

Avg Field Magnitude: 3.220866 kG

test location (XYZ): (32.60000, 106.62000, 410.00000) magnitude: 424.88892

test Field Vector (XYZ): ( 0.00000, 0.00000, 0.00000) magnitude: 0.00000

test location (CYL): (72.99853, 111.49253, 410.00000) magnitude: 424.88891

test Field Vector (CYL): ( 0.00000, 0.00000, 0.00000)

 SOLENOID MAP LOADED !!!

----> I am doing nothing

[JSON]CVTTracks \*\*\*\* warning \*\*\*\* does not contain key = variation

[CONFIGURE][CVTTracks] ----> Setting variation :

[JSON]CVTTracks \*\*\*\* warning \*\*\*\* does not contain key = timestamp

[CONFIGURE][CVTTracks] ----> Setting timestamp :

[CONFIGURE][DCTB] ---> JSON Data : {"ccdb":{"run":101,"variation":"custom"},"runmode":"calibration","runtype":"mc","magnet":{"torus":-1,"solenoid":-1}}

--- engine configuration is called CLARA Engine

[ConstantsManager] ---> create a new one for module : org.jlab.service.dc.DCTBEngine

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 11

[DB] ---> database time stamp : Sun Mar 04 09:36:25 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /geometry/dc/dc

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/dc/region

[DB LOAD] ---> number of columns : 9

[DB LOAD] ---> loading data table : /geometry/dc/superlayer

[DB LOAD] ---> number of columns : 8

[DB LOAD] ---> loading data table : /geometry/dc/layer

[DB LOAD] ---> number of columns : 2

[DB] ---> database disconnect : success

----> I am doing nothing

[JSON]DCTB \*\*\*\* warning \*\*\*\* does not contain key = variation

[CONFIGURE][DCTB] ----> Setting variation :

[JSON]DCTB \*\*\*\* warning \*\*\*\* does not contain key = timestamp

[CONFIGURE][DCTB] ----> Setting timestamp :

[CONFIGURE][LTCC] ---> JSON Data : {"ccdb":{"run":101,"variation":"custom"},"runmode":"calibration","runtype":"mc","magnet":{"torus":-1,"solenoid":-1}}

--- engine configuration is called CLARA Engine

[LTCC] --> initialization successful...

----> I am doing nothing

[JSON]LTCC \*\*\*\* warning \*\*\*\* does not contain key = variation

[CONFIGURE][LTCC] ----> Setting variation :

[JSON]LTCC \*\*\*\* warning \*\*\*\* does not contain key = timestamp

[CONFIGURE][LTCC] ----> Setting timestamp :

[CONFIGURE][HTCC] ---> JSON Data : {"ccdb":{"run":101,"variation":"custom"},"runmode":"calibration","runtype":"mc","magnet":{"torus":-1,"solenoid":-1}}

--- engine configuration is called CLARA Engine

[ConstantsManager] ---> create a new one for module : org.jlab.service.htcc.HTCCReconstructionService

-----> INITIALIZING HTCC as a SERVICE...

----> I am doing nothing

[JSON]HTCC \*\*\*\* warning \*\*\*\* does not contain key = variation

[CONFIGURE][HTCC] ----> Setting variation :

[JSON]HTCC \*\*\*\* warning \*\*\*\* does not contain key = timestamp

[CONFIGURE][HTCC] ----> Setting timestamp :

[CONFIGURE][EC] ---> JSON Data : {"ccdb":{"run":101,"variation":"custom"},"runmode":"calibration","runtype":"mc","magnet":{"torus":-1,"solenoid":-1},"variation":"cosmic","timestamp":333}

--- engine configuration is called CLARA Engine

[ConstantsManager] ---> create a new one for module : org.jlab.service.ec.ECEngine

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 10

[DB] ---> database time stamp : Sun Mar 04 09:36:25 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /geometry/pcal/pcal

[DB LOAD] ---> number of columns : 15

[DB LOAD] ---> loading data table : /geometry/pcal/Uview

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/pcal/Vview

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/pcal/Wview

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/ec/ec

[DB LOAD] ---> number of columns : 16

[DB LOAD] ---> loading data table : /geometry/ec/uview

[DB LOAD] ---> number of columns : 4

[DB LOAD] ---> loading data table : /geometry/ec/vview

[DB LOAD] ---> number of columns : 3

[DB LOAD] ---> loading data table : /geometry/ec/wview

[DB LOAD] ---> number of columns : 3

[DB] ---> database disconnect : success

ECEngine: Strip ADC thresholds = 10 9 8

ECEngine: Peak ADC thresholds = 18 20 15

ECEngine: Cluster Dalitz Cuts = 7.0 15.0 20.0

----> I am doing nothing

[CONFIGURE][EC] ----> Setting variation : cosmic

[MAP MANAGER][EC] ---> Setting org.jlab.service.ec.ECEngine : variation = cosmic

[Engine] EC failet to set variation

2018-03-04 09:36:26.326: All services configured on 129.57.176.11

2018-03-04 09:36:26.429: Opening file clas\_003191.evio.7.hipo on 129.57.176.11

INFO HipoToHipoReader - request to open file /home/clasrun/CLARA/myClara/data/input/clas\_003191.evio.7.hipo

[READER] ----> opening current file : /home/clasrun/CLARA/myClara/data/input/clas\_003191.evio.7.hipo

[READER] ---> open successful, size : 449549892

 26952 56 0

[READER] ---> initializing dictionary........

[READER] ---> user header record event count 113

[READER] ---> total number of schema loaded 113

INFO HipoToHipoReader - opened file /home/clasrun/CLARA/myClara/data/input/clas\_003191.evio.7.hipo

INFO HipoToHipoReader - config time: 96 [ms]

INFO HipoToHipoReader - execute request count

INFO HipoToHipoReader - execute request order

INFO HipoToHipoWriter - request to open file /home/clasrun/CLARA/myClara/data/output/out\_clas\_003191.evio.7.hipo

HipoToHipoWriter service: using compression level 2

[HIPO-WRITER] \*\* error \*\* the output file already exists : /home/clasrun/CLARA/myClara/data/output/out\_clas\_003191.evio.7.hipo

[HIPO-WRITER] \*\* warning \*\* attempt to delete the file : /home/clasrun/CLARA/myClara/data/output/out\_clas\_003191.evio.7.hipo

[HIPO-WRITER] \*\* warning \*\* delete successful

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 Physics Division (c) Jefferson Lab (2017)

[HipoWriter] ---> schmea dictionary written with 114 entries.

[HipoWriter] ---> compression type

INFO HipoToHipoWriter - opened file /home/clasrun/CLARA/myClara/data/output/out\_clas\_003191.evio.7.hipo

INFO HipoToHipoWriter - config time: 725 [ms]

2018-03-04 09:36:27.296: Using 32 cores on 129.57.176.11 to process 61950 events of clas\_003191.evio.7.hipo [1/1]

[READER] first time reading

[ConstantsManager] ---> loading table for run = 3191

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> database connection : success

\*\*\*\*\* >>> adding : /calibration/ft/ftcal/cluster / table = /calibration/ft/ftcal/cluster

\*\*\*\*\* >>> adding : /calibration/ft/ftcal/thetacorr / table = /calibration/ft/ftcal/thetacorr

\*\*\*\*\* >>> adding : /calibration/ft/ftcal/phicorr / table = /calibration/ft/ftcal/phicorr

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

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[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

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[DB] ---> database variation : default

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[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

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[DB] ---> database variation : default

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[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

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[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> database connection : success

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[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

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[DB] ---> database variation : default

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[DB] ---> database variation : default

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

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[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

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[DB] ---> database connection : success

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[DB] ---> database variation : default

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[DB] ---> database connection : success

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[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> database connection : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database variation : default

[DB] ---> database connection : success

[DB] ---> database run number : 3191

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> database connection : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> database connection : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> database disconnect : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB] ---> database disconnect : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database connection : success

[DB] ---> database connection : success

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[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB] ---> database disconnect : success

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

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[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

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FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

[DB] ---> database disconnect : success

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

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FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

[DB] ---> database disconnect : success

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

[ConstantsManager] ---> loading table for run = 3191

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:27 EST 2018

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

[DB] ---> database disconnect : success

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

[DB] ---> database disconnect : success

[DB] ---> database connection : success

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

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 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

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 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

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FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

\*\*\*\*\* >>> adding : /calibration/dc/signal\_generation/doca\_resolution / table = /calibration/dc/signal\_generation/doca\_resolution

[DB] ---> database disconnect : success

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

\*\*\*\*\* >>> adding : /calibration/dc/time\_to\_distance/time2dist / table = /calibration/dc/time\_to\_distance/time2dist

[DB] ---> database disconnect : success

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE TORUS IS BEING SCALED BY 100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

FORWARD TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

 Got the correct geometry [-82.37753511244654, 1.360590012509594E-15, 229.23648]

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:28 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[ConstantsManager] ---> loading table for run = 3191

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:28 EST 2018

[DB] ---> database connection : success

\*\*\*\*\* >>> adding : /calibration/dc/signal\_generation/doca\_resolution / table = /calibration/dc/signal\_generation/doca\_resolution

\*\*\*\*\* >>> adding : /calibration/dc/time\_to\_distance/time2dist / table = /calibration/dc/time\_to\_distance/time2dist

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:33 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:33 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:35 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:37 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:37 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:38 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:38 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

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[DB LOAD] ---> number of columns : 6

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[DB] ---> database time stamp : Sun Mar 04 09:36:39 EST 2018

[DB] ---> database connection : success

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[DB LOAD] ---> number of columns : 6

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[DB] ---> database connection : success

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[DB LOAD] ---> number of columns : 6

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[DB] ---> database connection : success

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[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

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[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:39 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:39 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:40 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:40 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

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[DB] ---> database connection : success

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[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:40 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:41 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:42 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:43 EST 2018

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /calibration/dc/time\_corrections/T0Corrections

[DB LOAD] ---> number of columns : 6

[DB] ---> database disconnect : success

[ConstantsManager] ---> loading table for run = 3191

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:46 EST 2018

[DB] ---> database connection : success

\*\*\*\*\* >>> adding : /calibration/ftof/attenuation / table = /calibration/ftof/attenuation

\*\*\*\*\* >>> adding : /calibration/ftof/effective\_velocity / table = /calibration/ftof/effective\_velocity

\*\*\*\*\* >>> adding : /calibration/ftof/time\_offsets / table = /calibration/ftof/time\_offsets

\*\*\*\*\* >>> adding : /calibration/ftof/time\_walk / table = /calibration/ftof/time\_walk

\*\*\*\*\* >>> adding : /calibration/ftof/status / table = /calibration/ftof/status

\*\*\*\*\* >>> adding : /calibration/ftof/gain\_balance / table = /calibration/ftof/gain\_balance

\*\*\*\*\* >>> adding : /calibration/ftof/tdc\_conv / table = /calibration/ftof/tdc\_conv

[DB] ---> database disconnect : success

 CHECK CONFIGS............................... = ? SOLENOID-1.0

CVT constants loaded ? true

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*SETTING FIELD SCALE \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

 CHECK CONFIGS............................... = ? SOLENOID-1.0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*SETTING FIELD SCALE \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CENTRAL TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

CENTRAL TRACKING \*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\* THE SOLENOID IS BEING SCALED BY -100.0 % \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:46 EST 2018

[DB] ---> database time stamp : Sun Mar 04 09:36:46 EST 2018

[DB] ---> database connection : success

[DB] ---> database connection : success

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_layer

[DB LOAD] ---> number of columns : 11

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L1

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L2

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L3

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L4

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L5

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L6

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l1

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l2

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l3

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l4

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l5

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l6

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /calibration/mvt/lorentz

[DB LOAD] ---> number of columns : 3

[DB LOAD] ---> loading data table : /calibration/mvt/bmt\_hv/drift\_fullfield

[DB LOAD] ---> number of columns : 3

[DB LOAD] ---> loading data table : /calibration/mvt/bmt\_hv/drift\_midfield

[DB LOAD] ---> number of columns : 3

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

SUCCESSFULLY LOADED BMT CONSTANTS....

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_layer

[DB LOAD] ---> number of columns : 11

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L1

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L2

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L3

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L4

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L5

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /geometry/cvt/mvt/bmt\_strip\_L6

[DB LOAD] ---> number of columns : 2

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l1

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l2

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l3

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l4

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l5

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /test/mvt/bmt\_mat\_l6

[DB LOAD] ---> number of columns : 7

[DB LOAD] ---> loading data table : /calibration/mvt/lorentz

[DB LOAD] ---> number of columns : 3

[DB LOAD] ---> loading data table : /calibration/mvt/bmt\_hv/drift\_fullfield

[DB LOAD] ---> number of columns : 3

[ConstantsManager] ---> loading table for run = 3191

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:46 EST 2018

[DB LOAD] ---> loading data table : /calibration/mvt/bmt\_hv/drift\_midfield

[DB LOAD] ---> number of columns : 3

[DB] ---> database disconnect : success

[DB] ---> database disconnect : success

SUCCESSFULLY LOADED BMT CONSTANTS....

[DB] ---> database connection : success

\*\*\*\*\* >>> adding : /calibration/ctof/attenuation / table = /calibration/ctof/attenuation

\*\*\*\*\* >>> adding : /calibration/ctof/effective\_velocity / table = /calibration/ctof/effective\_velocity

\*\*\*\*\* >>> adding : /calibration/ctof/time\_offsets / table = /calibration/ctof/time\_offsets

\*\*\*\*\* >>> adding : /calibration/ctof/tdc\_conv / table = /calibration/ctof/tdc\_conv

\*\*\*\*\* >>> adding : /calibration/ctof/status / table = /calibration/ctof/status

[DB] ---> database disconnect : success

[ConstantsManager] ---> loading table for run = 3191

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:46 EST 2018

[DB] ---> database connection : success

\*\*\*\*\* >>> adding : /calibration/htcc/gain / table = /calibration/htcc/gain

\*\*\*\*\* >>> adding : /calibration/htcc/time / table = /calibration/htcc/time

[DB] ---> database disconnect : success

[ConstantsManager] ---> loading table for run = 3191

[DB] ---> open connection with : mysql://clas12reader@clasdb.jlab.org/clas12

[DB] ---> database variation : default

[DB] ---> database run number : 3191

[DB] ---> database time stamp : Sun Mar 04 09:36:46 EST 2018

[DB] ---> database connection : success

\*\*\*\*\* >>> adding : /calibration/ec/attenuation / table = /calibration/ec/attenuation

\*\*\*\*\* >>> adding : /calibration/ec/gain / table = /calibration/ec/gain

[DB] ---> database disconnect : success