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HowToInDetMonitoring -lala

The InDetMonitoring (InnerDetector/InDetMonitoring) package will run online during SR1 cosmic data taking. It consists of 3 packages : TRT_monitoring, SCT_monitoring and InDetGlobalMonitoring, designed to monitor the SCT and TRT barrel.

11.2.0

Here are the following tags which are currently needed with 11.2.0.

- InDetCosmicRecExample :

```
InnerDetector/InDetExample/InDetCosmicRecExample/  
InDetCosmicRecExample-00-00-33
```

- Monitoring packages :

```
InnerDetector/InDetMonitoring/SCT_monitoring-00-00-  
InnerDetector/InDetMonitoring/TRT_monitoring-00-00-  
InnerDetector/InDetMonitoring/InDetGlobalMonitoring-00-00-07  
InnerDetector/InDetMonitoring/  
TRT_StrawsToTrackAssociationAlg-00-00-04
```

- TRT calibration :

```
InnerDetector/InDetRecTools/TRT_DriftFunctionTool/  
TRT_DriftFunctionTool-00-00-29
```

- BS/cabling :

```
InnerDetector/InDetDetDescr/InDetCabling/InDetCabling-00-00-55  
InnerDetector/InDetEventCnv/InDetRawDataByteStreamCnv/  
InDetRawDataByteStreamCnv-00-00-12
```

(to be updated ?)

- Tracking :

```
InnerDetector/InDetDetDescr/InDetTrackingGeometry/  
InDetTrackingGeometry-00-06-04  
InnerDetector/InDetRecAlgs/InDetCTBTracking/InDetCTBTracking-00-00-22  
Tracking/TrkDetDescr/TrkGeometry/TrkGeometry-00-05-04  
Tracking/TrkDetDescr/TrkDetDescrSvc/TrkDetDescrSvc-00-00-06  
Tracking/TrkFitter/TrkKalmanFitter/TrkKalmanFitter-01-09-02  
Tracking/TrkExtrapolation/TrkExInterfaces/TrkExInterfaces-00-01-01  
Tracking/TrkExtrapolation/TrkExTools/TrkExTools-02-13-05  
Tracking/TrkDetDescr/TrkDetDescrTools/TrkDetDescrTools-00-03-04
```

Job options (InDetCosmicRec_topOptions.py) :

Following SCT flags need to be switched off when running on TRT data :

```
DetFlags.makeRIO.SCT_setOff()  
DetFlags.readRDOBS.SCT_setoff()
```

Two job options are available for the global monitoring :

TRT barrel only :

```
include("InDetGlobalCosmicMonitor_topOptions_TRT_barrel.py")
```

SCT + TRT barrel :

```
include("InDetGlobalCosmicMonitor_topOptions_barrel.py")
```

11.4.0

Here are the following tags needed for 11.4.0.

```
InnerDetector/InDetMonitoring/InDetGlobalMonitoring-00-00-07
```

```
InnerDetector/InDetMonitoring/TRT_StrawsToTrackAssociationAlg-00-00-04
```

This topic: [Sandbox > HowToInDetMonitoring](#)

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