art - Feature #15383

Milestone # 15372 (Closed): art multi-threading phase 1

Feature # 15380 (Closed): Introduction of multi-threaded running

Introduce StreamSchedule, etc.

01/30/2017 03:21 PM - Marc Paterno

Status:	Closed	**Start date:**	01/30/2017
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	100%
Category:	Event Loop	**Estimated time:**	0.00 hour
Target version:	3.00.00	**Spent time:**	586.00 hours
Scope:	Internal	**SSI Package:**	art
Experiment:	-		

Description

This is in section 3, item 3, in the milestones document version 6.

Subtasks:

Feature # 15384: Introduce context system.	**Closed**
Feature # 15385: Introduce context classes	**Closed**
Feature # 15386: Add basic level of setting context information	**Closed**
Necessary Maintenance # 15676: Signal sentries need to behave properly when an invoked ...	**Closed**
Feature # 15389: Get "legacy" modules running using TBB tasks.	**Closed**
Feature # 15893: Support Run/SubRun I/O	**Closed**
Feature # 15895: Conditional output-file switching	**Closed**

Related issues:

Blocked by art - Feature #15381: Migrate code from CMSSW FWCore/Concurrency	**Closed**	**01/30/2017**
Blocks art - Feature #15390: Introduce "one" modules	**Closed**	**01/30/2017**

History

#1 - 01/30/2017 03:22 PM - Marc Paterno

- Blocked by Feature #15381: Migrate code from CMSSW FWCore/Concurrency added

#2 - 01/30/2017 03:22 PM - Marc Paterno

- Blocked by Feature #15382: Introduce thread-pause signaling for debugging added

#3 - 01/30/2017 03:34 PM - Marc Paterno

- Blocks Feature #15390: Introduce "one" modules added

#4 - 02/06/2017 11:19 AM - Kyle Knoepfel

- Status changed from New to Accepted

#5 - 10/25/2017 12:31 PM - Paul Russo

- Status changed from Accepted to Work in progress

#6 - 10/25/2017 12:33 PM - Paul Russo

- Status changed from Work in progress to Under Discussion

#7 - 06/05/2018 03:27 PM - Kyle Knoepfel

- Blocked by deleted (Feature #15382: Introduce thread-pause signaling for debugging)

#8 - 06/05/2018 03:32 PM - Kyle Knoepfel

- Category set to Event Loop

- Status changed from Under Discussion to Closed

- Target version set to 3.00.00

- SSI Package art added

For each concurrent event, the implementation uses one schedule, one trigger-results inserter, and one end-path executor. The implementation can be adjusted to encapsulate all three into a "schedule", thus providing a greater match between the user's mental model and the implementation. However, that has not been done for *art*3.00.00.