Accelerator Service

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Previous Problems

- First version of Service prototype:
  - Scheduling part completed
    - Awful code but ideas seem to work on the mock test
    - Eventually simplification/rewrite needed
- Evaluating features of CUDA streams, and possible usage in the AcceleratorService

Next Problem(s)

- From "Service Prototype" to "Accelerator Service":
  - Run a unit test on a GPU in cmg-gpu1080
  - Integrating the code and the unit test in a dedicated package in CMSSW
  - Run the Raw2Digi step using the Service
    - Possible interface change/extension in order to deal with CUDA streams
  - Code restructuring/cleanup/documentation.