

Update on geometry test selection

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- `GeometryTestAlg` contains a suite of geometry tests
- geometry unit tests based on it are part of the standard test suite of all experiments
- some experiments currently have bugged geometries and some of the tests fail
- `GeometryTestAlg` allows to define which tests to run and to skip

Geometry test selector

The existing test selection mechanism was inconvenient and ill-designed (I did not put too much attention on that at the time...). I have replaced it with a new `NameSelector` class that can handle configuration directives like:

```
physics.analysers.geotest.RunTests: [  
  "-BadTest", "-EvilTest", "+TestIlove"  
]
```

Listing 1: Example of test selection line

- can base on a hard-coded default set
- can, conversely, forget about the default and start from scratch
- can be set to automatically run all the test not included, or to skip them

The class lives in `larcore/test/Geometry` and it is not specific to geometry, nor to testing. It's just interpretation of a list of strings.

Why do I waste your time with this?

- with this new way of specifying the tests to be run, *geometry test configuration files need to be updated*
- I have prepared updated configuration in the feature branch `feature/gp_FixGeometryTestSelector` in:
`larcore`, `lariatsoft`, `lbnecode`, `uboonecode`,
`argoneutcode`
- test configuration of `lar1ndcode` was not updated (that package is just too out of sync!)
- I ask this branch to be merged in next `larcore` release
- experiments should afterward merge their respective branches on their next release
- if neglected, geometry tests might be included in the test suite that are known to fail, or vice versa