

dunetpc - Bug #22871

Failed to parse the configuration file 'subrun_wrapper.fcl': Can't find key dune_tfile_metadata

07/07/2019 06:36 PM - Gianluca Petrillo

Status:	Closed	Start date:	07/07/2019
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			

Description

It appears that DUNE configuration requires a job FHiCL file to include `sam_dune.fcl`, or else the submitted job terminates with `art` code 90 and:

```
$ cat larStage0.err
Failed to parse the configuration file 'subrun_wrapper.fcl' with exception
---- Parse error BEGIN
  Local lookup error
  ---- Can't find key BEGIN
    dune_tfile_metadata (at part "dune_tfile_metadata")
  ---- Can't find key END
  at line 9, character 29, of file "./Stage0.fcl"
  included from line 1 of file "./subrun_wrapper.fcl"

  services.TFileMetadataDUNE: @local::dune_tfile_metadata
                             ^
---- Parse error END
```

This must be seldom a problem because `sam_dune.fcl` is included by `services_dune.fcl`, which in turn is commonly included in user configuration files.

The reason I tripped into this problem is that my configuration is spread across some local files, and rather than copying all of them to the job, I choose to use `fhiCL-dump` utility to generate the configuration to submit. Since my job was not explicitly configuring the metadata, that utility removed the unused configuration that is instead required by the wrapping configuration.

A solution is to modify the wrapper to include the necessary configuration files *before* including user's job configuration, with a line like:

```
#include "sam_dune.fcl"
```

History

#1 - 10/21/2019 09:06 AM - David Adams

- Status changed from New to Closed

Gianluca:

I stumbled across this ticket. I think you have to make an assignment if you help with such issues. We should address our fcl more generally but, for now, I think you have include `services_dune.fcl` or patch things locally as you suggest. I am closing this but please reopen if you are in need of a specific change.

david