
Subject: FairRuntimeDb only two inputs

Posted by [Tobias Stockmanns](#) on Wed, 29 Apr 2009 07:21:02 GMT

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Dear pandaRooters,

I have the following problem:

I want to digitize the simulated data of the MVD and the TPC in the same macro.
Both require a parameter input file.

Unfortunately I cannot set three parameter input files in the RuntimeDB. The first slot is occupied by the parameter file of the simulation.

Is there a way to add more than two parameter inputs or is this functionality missing in the runtimeDB and should be added?

Cheers,

Tobias

Subject: Re: FairRuntimeDb only two inputs

Posted by [Florian Uhlig](#) on Wed, 29 Apr 2009 07:41:30 GMT

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Hi Tobias

Do you use ascii parameter files?

Ciao

Florian

Subject: Re: FairRuntimeDb only two inputs

Posted by [Tobias Stockmanns](#) on Wed, 29 Apr 2009 07:45:26 GMT

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Hi Florian,

yes I use ASCII files.

I just have realized that there is an all.par ASCII data file which contains the parameters of all detectors. I do not know if this is useful because you have to modify this file if you want to have different configurations, but at least it works.

Maybe we still should discuss if an unlimited number of parameter input files is possible.

Ciao,

Tobias

Subject: Re: FairRuntimeDb only two inputs

Posted by [Florian Uhlig](#) on Wed, 29 Apr 2009 07:55:27 GMT

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Hi Tobias

I implemented a new functionality for CBM, which concatenates the ascii input files on the fly and uses then only one input for ascii. To do so i add a new overloaded function to the AsciiIo class. Now you can generate a TList with the names of all the parameter files and pass this list to the open function of the asciiIO. The asciiIO class produces a combined parameter file and open this new file.
See example below.

Here is the definition part, with in principle unlimited number of filenames

```
// Digitisation files
TList *parFileList = new TList();

TString paramDir = gSystem->Getenv("VMCWORKDIR");
paramDir += "/parameters/sts/";

TObjString stsDigiFile = paramDir + "sts_Standard_s3055AAFK5.SecD.digi.par";
parFileList->Add(&stsDigiFile);

TObjString trdDigiFile = "/trd.digi.par";
parFileList->Add(&trdDigiFile);
```

And here is the change when opening the file.

```
parIo2->open(parFileList,"in");
```

Hope this is what you're looking for.

Ciao

Florian

Subject: Re: FairRuntimeDb only two inputs

Posted by [Tobias Stockmanns](#) on Wed, 29 Apr 2009 08:01:15 GMT

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Hi Florian,

this is exactly what I was looking for. Thank you.

Ciao,

Tobias
