

# Job Configuration Hackathon

1. It's probably worth discussing a bit more about a potential replacement
2. Some more concrete playgrounds on the next slides

# Job Configuration hackathon: includes

Getting rid of include: The first 20 included files in the a RAWtoESD job:

```
> grep "including" log.RAWtoESD|& head -20
```

11:53:28	Py:Athena	<b>athena.py</b>	INFO including file "AthenaCommon/Preparation.py"
11:53:28	Py:Athena		INFO including file "AthenaCommon/Bootstrap.py"
11:53:28	Py:Athena		INFO including file "AthenaCommon/Atlas.UnixStandardJob.py"
11:53:30	Py:Athena		INFO including file "AthenaCommon/Execution.py"
11:53:30	Py:Athena	<b>Transform</b>	INFO including file "runargs.RAWtoESD.py"
11:53:30	Py:Athena		INFO including file "RecJobTransforms/skeleton.RAWtoESD_tf.py"
11:53:30	Py:Athena		INFO including file "RecJobTransforms/CommonRecoSkeletonJobOptions.py"
11:53:30	Py:Athena		INFO including file "RecExCommon/RecoUsefulFlags.py"
11:53:30	Py:Athena		INFO including file "RecExCommon/RecExCommon_topOptions.py"
11:53:31	Py:Athena	<b>RecExCommon</b>	INFO including file "RecExCond/RecExCommon_flags.py"
11:53:36	Py:Athena		INFO including file "RecExConfig/AutoConfigConsistencyCheck.py"
11:53:36	Py:Athena		INFO including file "RecExCommission/RecExCommission.py"
11:53:36	Py:Athena		INFO including file "RecExCommission/MinimalCommissioningSetup.py"
11:53:36	Py:Athena		INFO including file "TrigT1CTMonitoring/CTPFlags.py"
11:53:36	Py:Athena		INFO including file "RecExCond/RecExCommon_DetFlags.py"
11:53:36	Py:Athena		INFO including file "RecExCond/RecExCommon_GlobalFlags.py"
11:53:37	Py:Athena		INFO including file "RecExCond/AllDet_detDescr.py"
11:53:37	Py:Athena		INFO including file "IdDictDetDescrCnv/IdDictDetDescrCnv_joboptions.py"
11:53:37	Py:Athena		INFO including file "TileConditions/TileConditions_jobOptions.py"
11:53:37	Py:Athena	INFO including file "CaloIdCnv/CaloIdCnv_joboptions.py"	

# Job Configuration hackathon: Intermediate declarative layer

- How useful and editable is the pickled config?
  - ASG (Will) interested in job-config files where one just changes the input file name
    - Also for HPC?
    - Disclaimer: Potentially dangerous if applied on a different run or trigger stream

## Job Configuration hackathon: athena.py

- Is everything that athena.py does actually useful and necessary?
  - Let's browse the code!

# Job Configuration hackathon: De-Duplication

- Code something that hunts for duplicates
  - To start with, one could use one of the pickled configurations

## Minimal run-able jobOpts

- Which services are actually needed to run (test) one particular algorithm?
- Try set something up