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# Poor mans manual to run the HLT

## Running Moore in Production (for simulated events)

### Setting up TCKS

The TCKs used during central production of MC are placed in files in the directory `AppConfig/options/Conditions`. To edit, use

```
getpack AppConfig HEAD
```

E.g.

```
$ cat TCK-0x002a002a.py
from Configurables import Moore
Moore().InitialTCK = '0x002a002a'
```

### Running in pass-through or reject mode

Whether or not the HLT is run in `pass-through` mode is configured via the `Writer` in Moore: Either no HLT bank is required, then all events are written out:

```
Moore().WriterRequires = []
```

or to run in rejection mode:

```
Moore().WriterRequires = [ 'HltDecisionSequence' ]
```

If no explicit filename is given to the `Writer`, it doesn't do anything special.

## Running the Hlt with Moore

Running Moore is the only way to be sure that you reproduce what ran in the pit and is the only supported way of running the trigger on MC. Before you start, there are several things you need to know:

- Was Moore already run as part of the production
- Which TCK do you want to use (use `TCKsh` to list available configurations)
- Which version of Moore? This is coupled to the TCK, but always take the latest patch release for a given major and minor number.
- In case you have special requirements which are not available in any TCK, follow the instructions in `PrivateTCK`.

Several example scripts named `RunMoorevXrYMC.py` are available in `python` directory of the package `Hlt/Hlt2CommissioningScripts`. Use the one that best matches your required Moore version.

See also Johannes' talk "Running Moore" [↗](#) at the November 2010 Software week [↗](#).

-- VladimirGligorov - 16-Jun-2010

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