

# Config update and TPCResCor Status

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# New in Config: Configurations can be inherited

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- Often we have two versions of configurations where only a few parameters change. It is now possible to derive one of these configurations from the other, updating only the relevant parameters

- Example:

```
<config name="SampleConfig" version="default">  
  <param name="ParamA"><float> 1.0 </float> </param>  
  <param name="ParamB"><float> 2.0 </float> </param>  
  <param name="ParamC"><float> 3.0 </float> </param>  
</config>
```

*new version*

*based on this version*

```
<config name="SampleConfig" version="1.0" base="default">  
  <param name="ParamC"><float> 4.0 </float> </param>  
</config>
```

in this example version 1.0 inherits the values of ParamA and ParamB from the default but the value of ParamC is changed from 3.0 to 4.0

# Plan to adopt new changes

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- For the long term this management will be simpler. I think we should change “now” (ie. before next tag)
- I can take care of (or have taken care of) TPCResCor and RICHReco VertexReco and possibly some others
- Jon can do TPCRecoJP and maybe some of the tracking packages (?)
- Which other packages should be taken care of? Who will do them?

# TPCResCor

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- I have updated TPC ResCor so that it uses only tracks that are consistent with coming from the target to get around potential ambiguity in the scint location.
- I suggest we run using just Bi target data. There seems to be enough of this in all magnet/beam configurations
- I have tested using a small Bi sample and things look OK. Final maps contain shifts which are in general quite small, but some regions have 1-2 mm shifts in the maps.
- I propose we make 3 maps for periods <13408, 13408-17256, 17257-17499 corresponding to times when JGG had troubles
- I would like to schedule a release tag and some time on the farms/grid to process the data to produce the residual correction maps