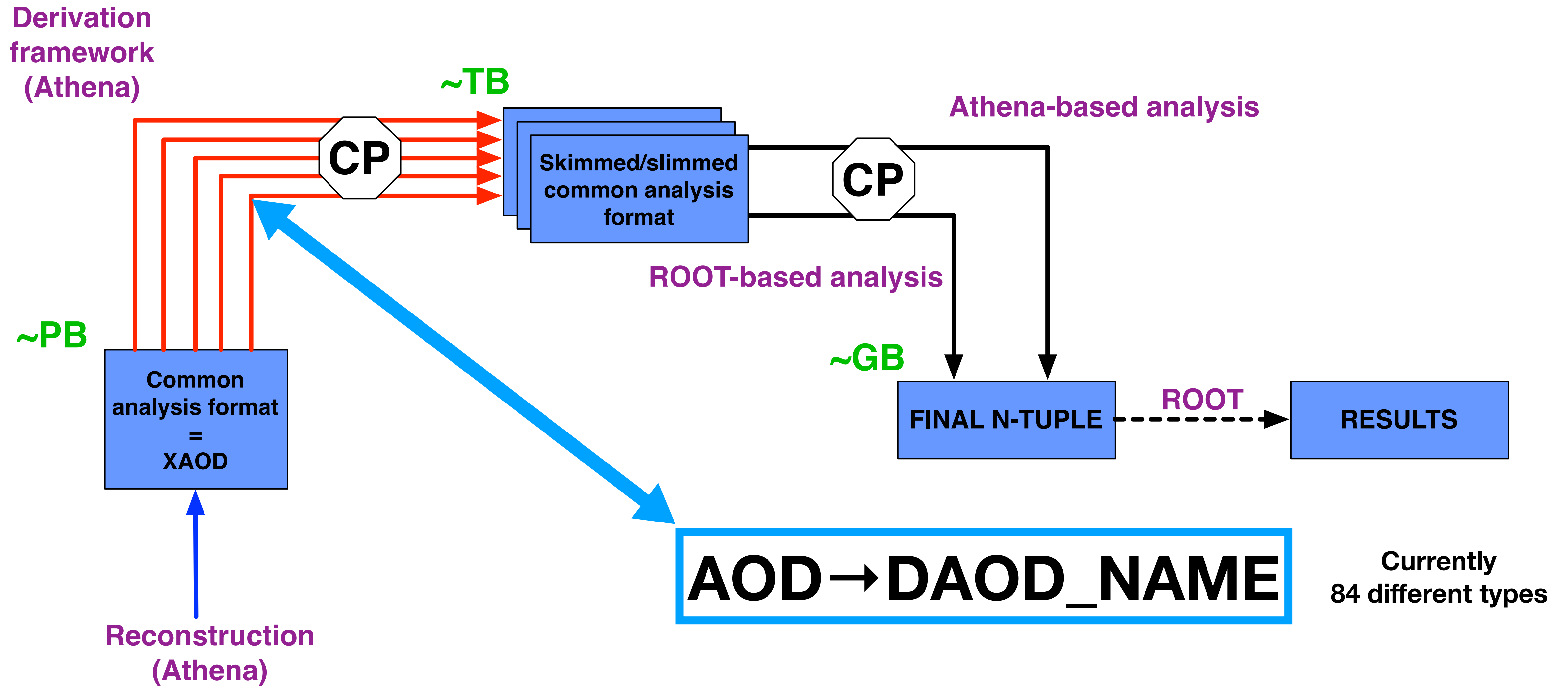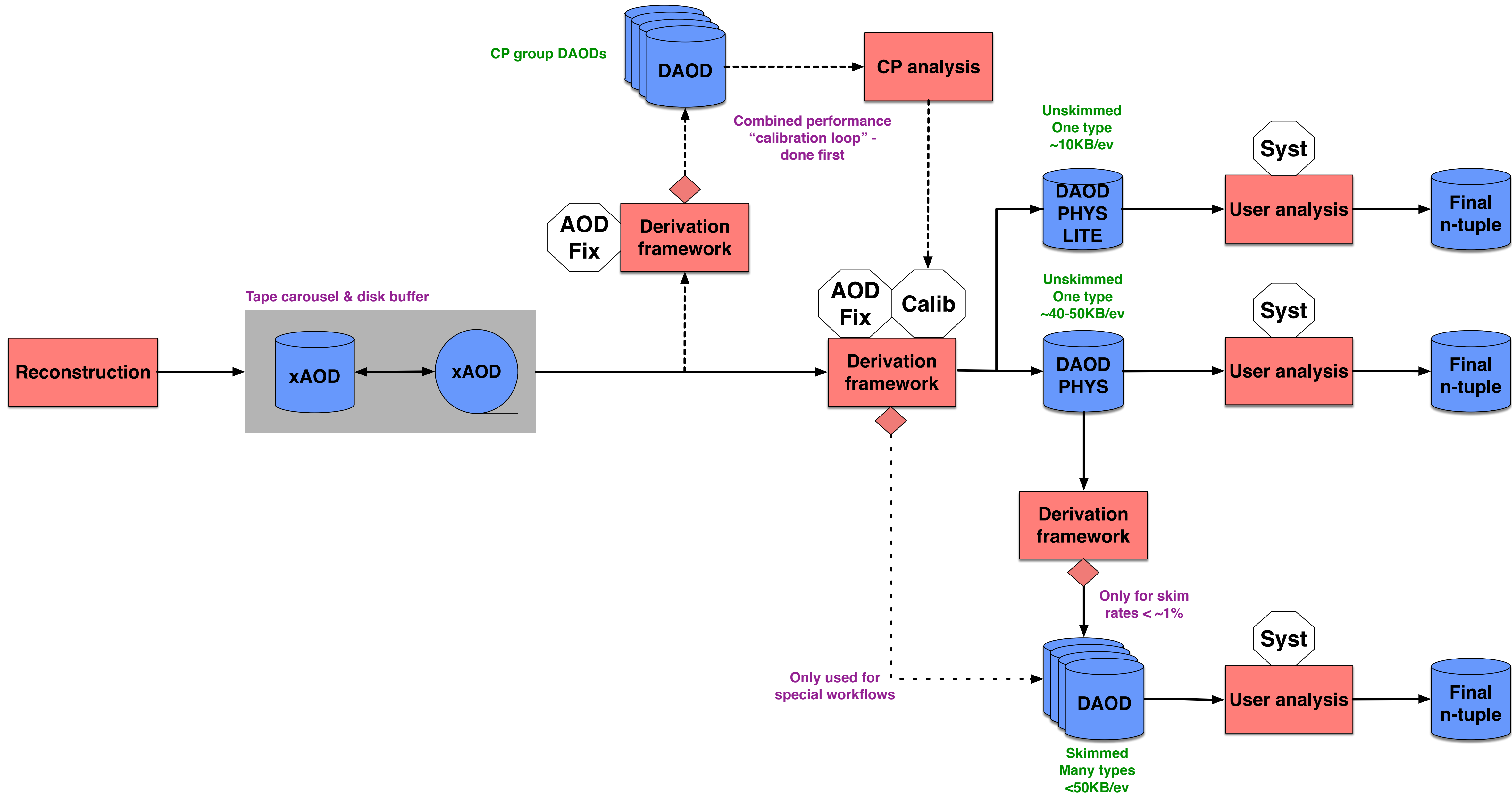# Nomenclature implications of the new analysis model

James Catmore
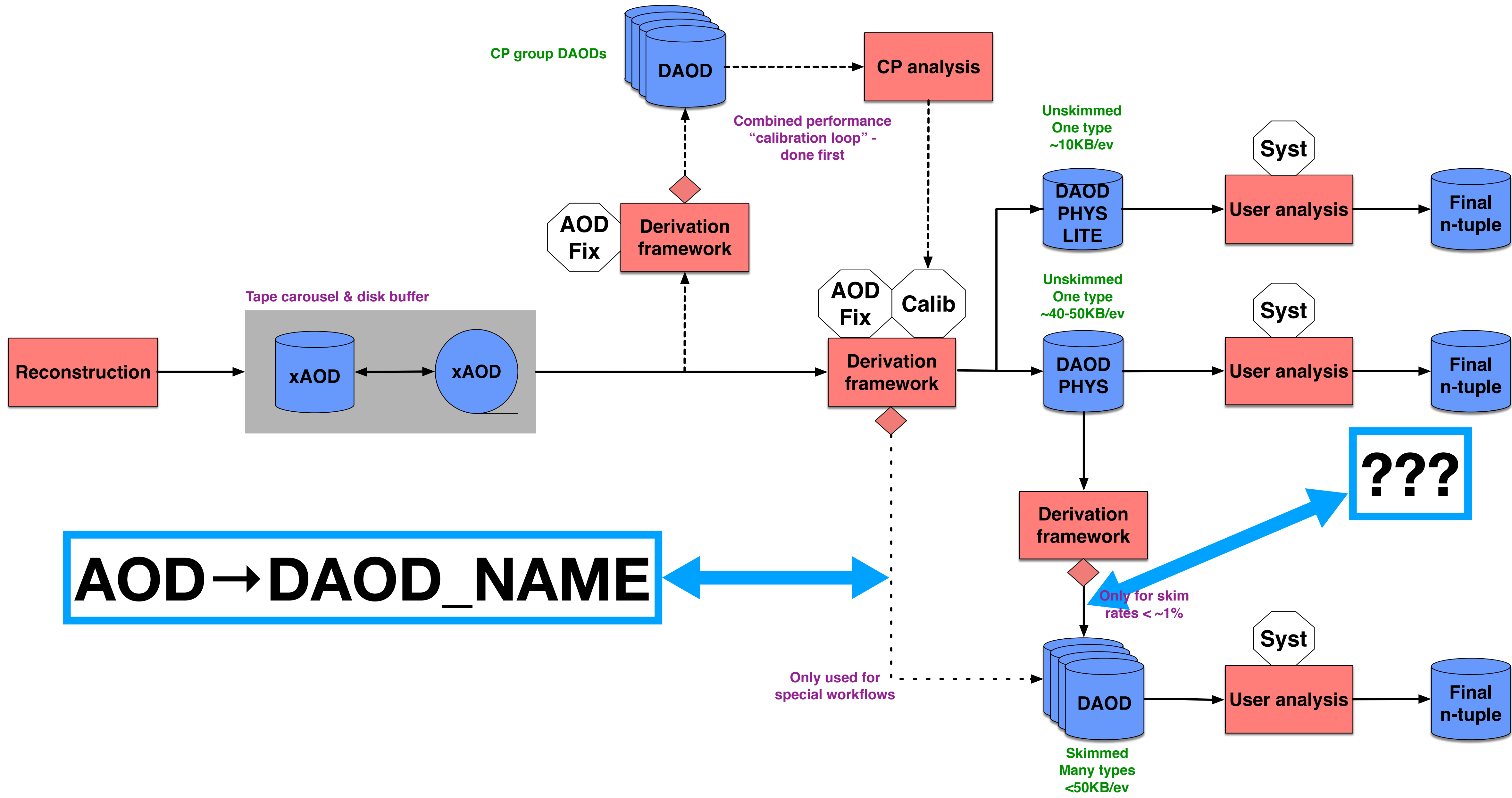
# Run 2 analysis model

# Run 3 analysis model

# Run 3 analysis model



Tape carousel & disk buffer

CP group DAODs

Combined performance "calibration loop" - done first

Unskimmed One type ~10KB/ev

Unskimmed One type ~40-50KB/ev

Only for skim rates < ~1%

Only used for special workflows

Skimmed Many types <50KB/ev

AOD→DAOD_NAME

???

# Proposal

- When the DAOD_PHYS is skimmed, the resulting format should be given the name **D2AOD_NAME** to indicate that it is made from a DAOD rather than AOD

- **NAME** would define the skimming conditions used

- In principle this could allow production of **NAME** both from AOD and DAOD_PHYS, but we don't anticipate this happening since once a group has decided to use DAOD_PHYS there would be little point in also running from AOD

  - Technical note: the job options for producing **NAME** from AOD and **NAME** from DAOD_PHYS have to be different, since from DAOD_PHYS all one needs to do is skimming, whereas from AOD much more has to be scheduled

- No plans yet to skim DAOD_PHYSLITE (it will not be in serious use for a while)

  - Another technical note: not yet decided whether PHYSLITE should be made directly from AOD alongside PHYS (as per the diagram) or made from DAOD_PHYS itself.

  - In the latter case it would have to be D2AOD_PHYSLITE and skims of it would presumably be D3AOD_NAME

  - But we can cross that bridge when we come to it

# Next steps

- If we agree that this is a good idea, I will set up the job transforms to be able to produce the D2AOD_NAME output

- OAB wants to start production of DAOD_PHYS in mid-November (assuming we have enough resources to do it) so I would imagine we could start skimming it in December

- Note that skims will only be done on request (as with the current DAODs)