\<**Object**\>**Handler**

- \<Object\> is:
  Electron, FatJet, Jet, Muon, Photon,
  Tau, TrackJet, TruthParticle.
- Applies calibrations (where
  appropriate) including sys.
  variations.
- Classifies particles and attaches
  corresponding flags to each particle
  for each sys. variation (HSG5
  specific, e.g. 'isVHLooseElectron').

Note: "Object" is
mostly for "physics
object" or "particle"

EventInfoHandler

- Holds event level info,
  e.g. run/event number,
  GRL pass/fail, MC event
  weight, vertex info,...
- Visible to Particle
  Handlers

Note: Trigger info is
still not accessible in
current xAODs (JIRA)

Note: Each Handler
retrieves/writes data
from/to TEvent directly.

AnalysisBase

- Controls the work flow.
- Defines the EL algorithm.
- Contains the methods
  executed by EL, i.e. initialize(),
  execute(),...
- Declares and executes all
  "handlers" and the "selector",
  i.e. these are plugged in to the
  EL work-flow through this
  class.
- Has access to the TEvent, and
  pass it on to the Handlers

METHandler

- Rebuilds the MET from calibrated
  objects, including sys. varations.
- Uses 'official' METRebuilder tool
  (which implements its own overlap
  removal.)

EventSelector

- Applies event level selection.
- Uses 'official' overlap removal
  tool for resolving conflicts for
  object appearing in multiple
  containers.
- Apart from the overlap removal,
  the selection is HSG5 specific.