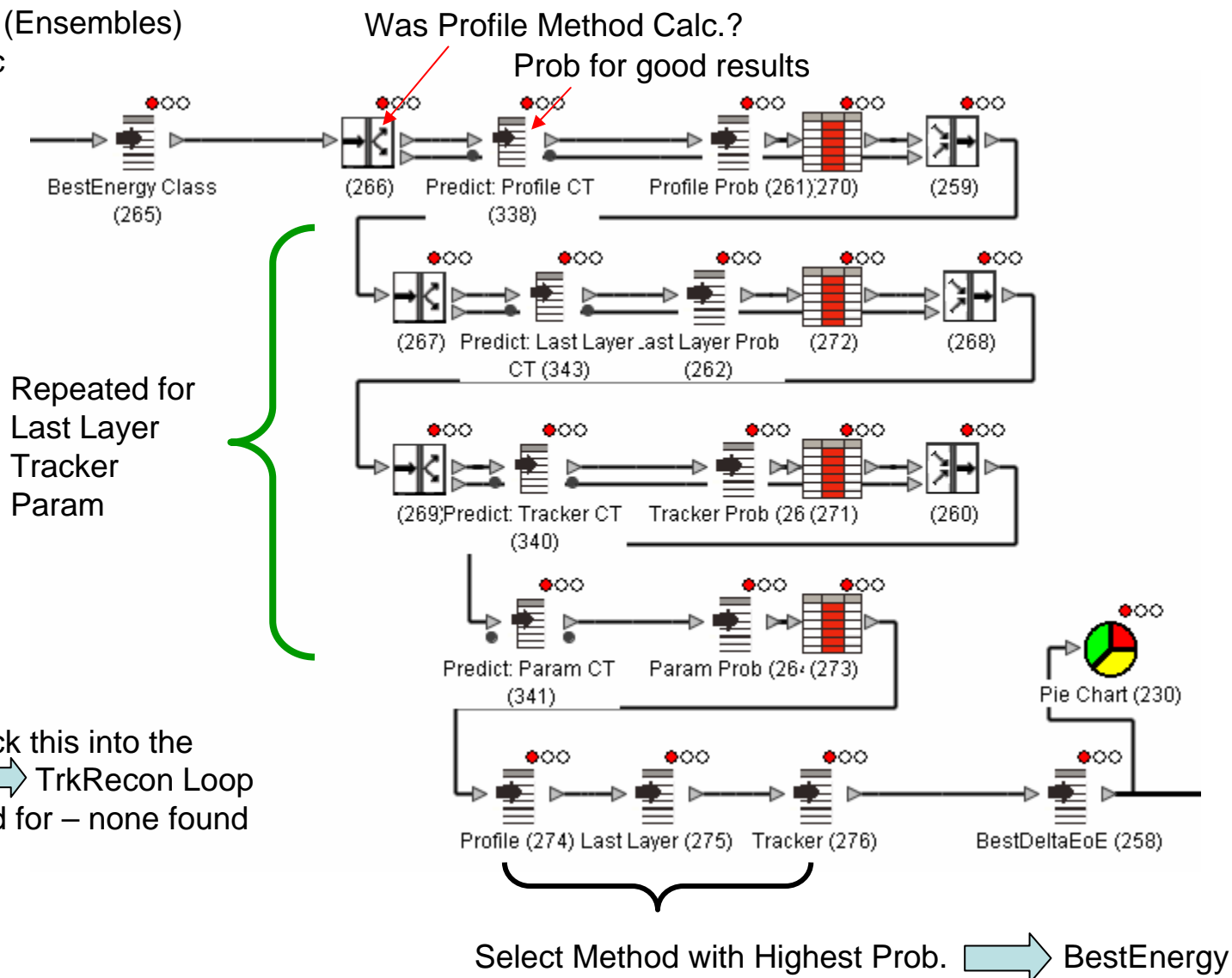


# DC2 Discussion – What Next?

- 1) Alternatives
  - Bill's IM analysis
  - ????
  
- 2) Backing the IM Analysis into Gleam
  - Good Energy
  - PSF
  - Background Rejection
  
- 3) Recon- Mod's to Gleam
  - New tuple Variables
  - Internal review of Flux Model
  
- 4) Plan for our first 100% Run (1B Background Events)

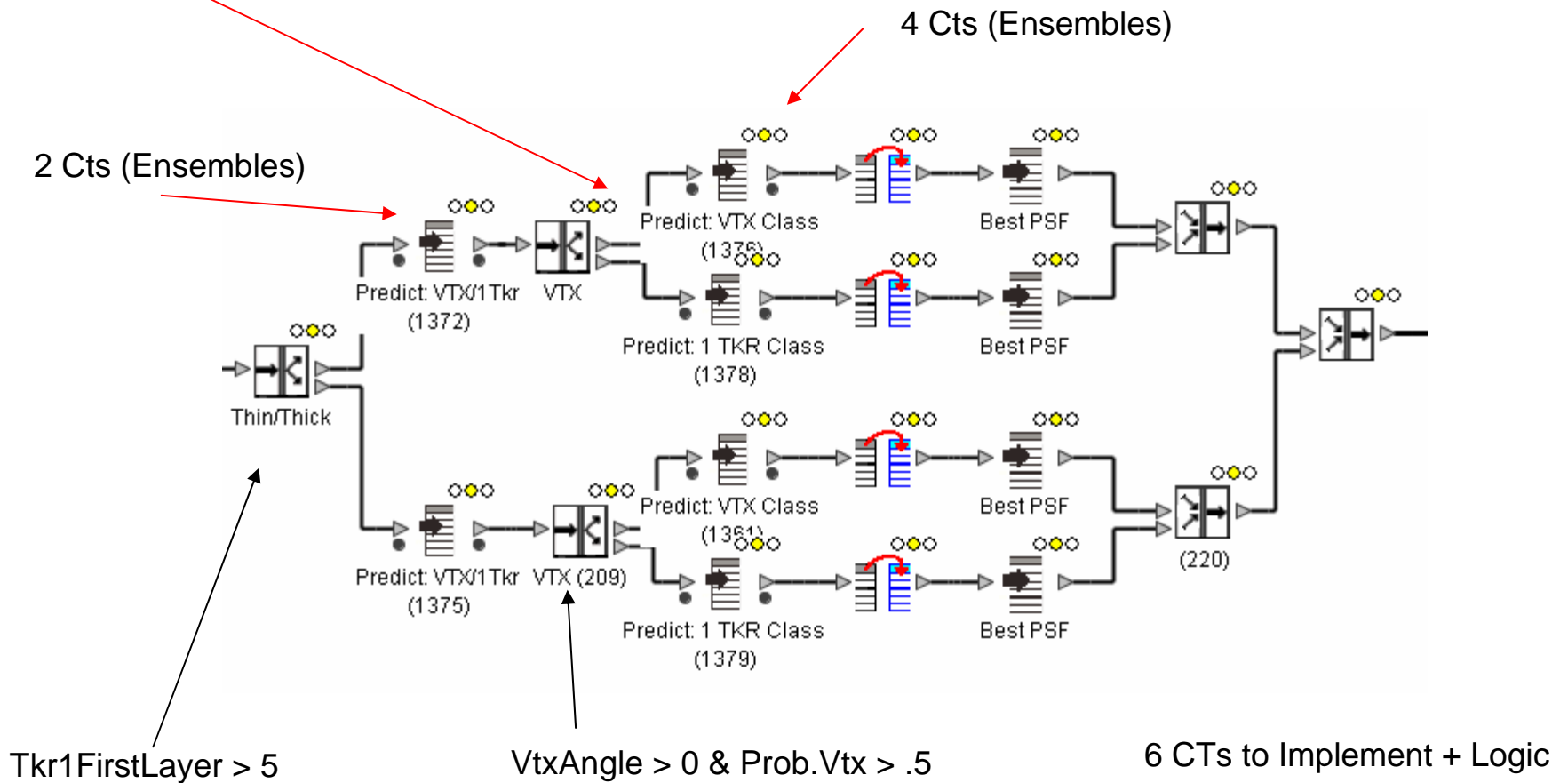
# Good Energy:

Requires 4 CTs (Ensembles) and some logic

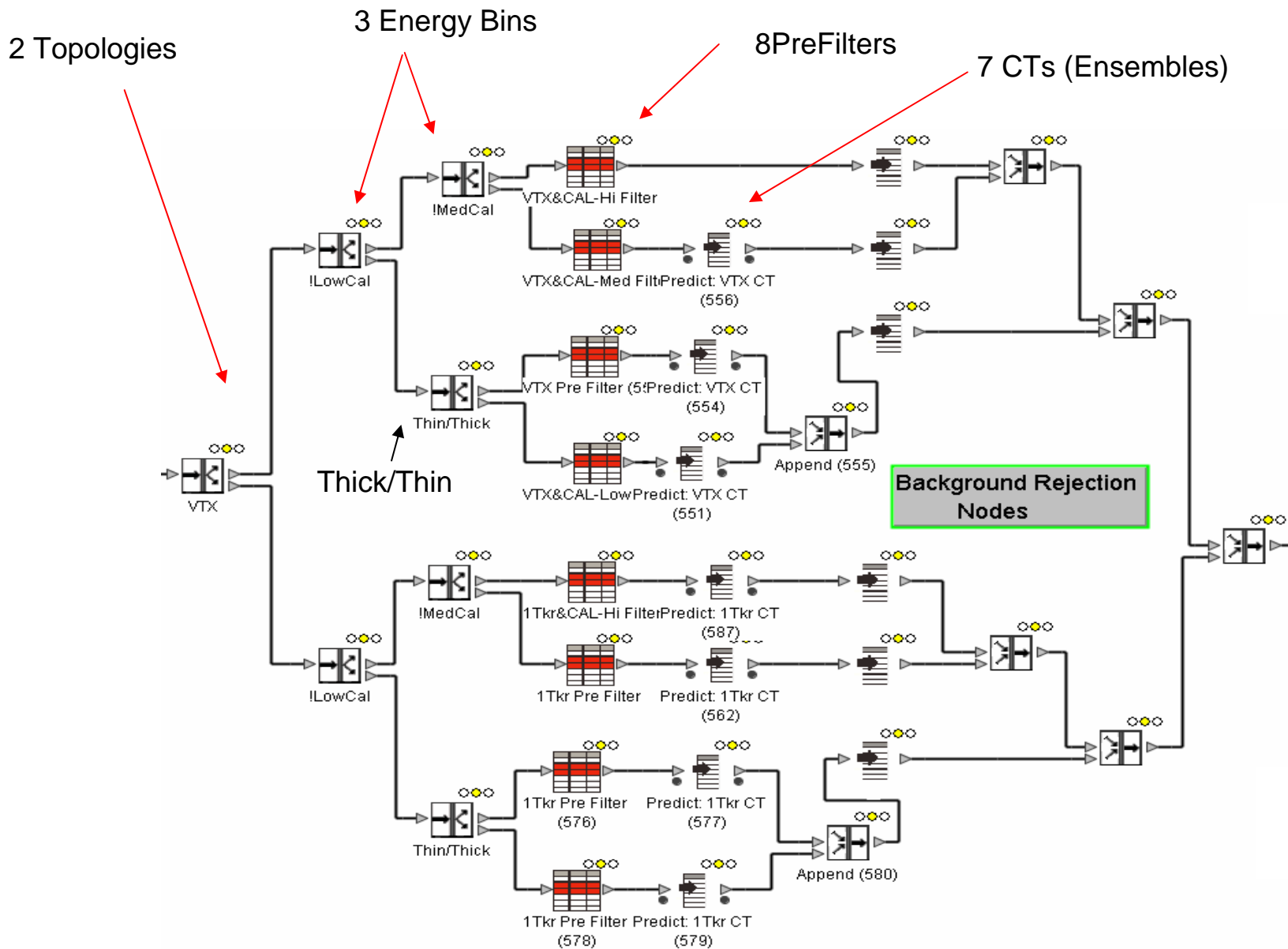


# PSF Analysis:

4 Classes: Radiator (2) x Topology (2: Vtx & 1 Tkr)



# Back Ground Rejection Analysis



# What's Needed:

- 1) An Implementation for IM Ensemble CTs (similar to Toby's current single Tree version)
- 2) Code to subdivide incoming events accord to Thick/Thin, Vtx/1Tkr1, Energy Band
  - Note: Some of this already exists in Merit – Needs to be updated
- 3) Results: Need Summary Variables
  - BestEnergy
  - BestEnergyProb
  
  - BestXDir, YDir, Zdir
  - BestPSFProb
  
  - GammaProb
- 4) Implementation of new Tkr Variables (see Leon's Talk)
- 5) Implementation of new ACD ActiveDist Alg. (See Heather's Talk)
- 6) When do we try 1B Back Ground Events?  
Suggest:
  - Get update current Gleam
  - Validate with 100M - then run additional 900M