## I. "top level" - general division:

**A. AGN AS A POPULATION AND THE BLAZAR PHENOMENON**

This would involve issues such as the statistical properties of gamma-ray emitting AGN and the relationship to other kinds of AGN:
LogN-logS, definition of gamma-ray emitting blazars as a sample,
contribution of unresolved radio-loud blazars to the gamma-ray background,
and evolution of jet-dominated vs. jet-less sources:
of the subjects that we had before would fit here, is Science Goal (1).

**B. AGN AS A TOOL**

Here, we would include all of the EBL - type investigations, and also other possible studies involving cosmology.

**C. PHYSICS OF GAMMA-RAY EMITTING AGN** (includes mainly blazars and radio galaxies)

This is about how gamma-ray emitting AGN works, including the jet structure, content, and radiative processes,
This was the bulk of the science goals as listed in our Web site.

**II. "One level down"** - with this, each "top level" can be broken down further, and even further. For the "top level C" we envision:

**C.1 WHAT is the structure (ingredients/content) of the jet in blazars and radio galaxies?**

C.1.(a) the content of innermost part of the jet
($e^{+-}$, baryon load, Poynting flux)
--> covers original goal (5)

C.1.(b) composition of gamma ray emitting part of jet
($e^{+-}$, $pe^{-}$/UHECRs, magnetic field)
--> covers original goal (2,6,8,11)

**C.2 HOW are the X-/gamma-ray flares produced in blazars and radio galaxies?**

C.2.(a) importance of external photon fields (BLR, accretion disk, torus, CMB, ...) for X- & gamma-ray production
--> covers original goal (3,9)

C.2.(b) relation between flares to dissipation of magnetic energy
--> covers original goal (7)

**C.3 WHERE are the X-rays/gamma-rays produced ?**

C.3.(a) photon production sites of low & high energy (HE) component
--> covers original goal (4)

C.3.(b) energization sites
--> covers original goal (10)