Nirvana's Strong Points

Features:

- 1D, 2D Histograms
- Column and Row wise ntuples, both memory and disk resident
- Histogram and ntuples Plotting
- 1D Histograms fitting with usual functions and user defined functions
- Inter-processes communications

Nirvana's Strong Points

- Maturity, robustness and quality of the existing parts.
- Existing Interface is very user friendly and well documented
- Available today in all needed platform
- Scale to very large file size
- Data Access Speed should be sufficient [3x HBook]

Nirvana's Strong Points

- Fermilab has complete control of source code
- Most data presentation requirements are met
- Debugger/profiler exists for C and Python
- Mostly respect Software Support Request

Nirvana's Weak Spots

- Gui to 'glue' all component together
- Combining Histograms from GUI
- Gui for column-wise ntuples.

  (estimate for all three: 6 months)

- scripting language (estimate 3 months)

- Fitting for 2D histogram (estimate 3 weeks)

Nirvana's Weak Spots

- Complex mathematical operations need to be provided by external packages [Python has some good ones]
- no formal virtual streaming mechanism [1 week]
- Customer base appear large [except for Nedit]
- no data access permission scheme.
- 'functions operating on multiple data sets (such as K-S tests of multiple histogram) must be included.'