**Planning for the Electronics v1**

**Year 1**

***Day 0:***

* get access to money

***Day 1:***

* request update of all quotes

***Day 7:***

* Order: First half / all of electronics

***Day 120 – 180:***

- Receive delivery of electronics at PSI

- verify that all electronics are working

***Day 181 – 240:***

* Work out mounting / power / infrastructure questions in collaboration with PSI
* Mount readout as close to the “final” required positions as possible
* Work out necessary cable routing and lengths
* Ordering of necessary cable lengths and connectors

***Day 241-300:***

* Prototyping and manufacture of cables necessary for communication between detectors and electronics
* Testing of cables
* Installation of cabling

***Day 301 – 365***

* Installation of MIDAS software on VME controllers
* Test of the addressing and communication of all aspects of the electronics
* Work on integration of complete DAQ

**Year 2**

***Day 1 -7:***

* Update quotes if necessary and place order for remaining electronics
* Continue work on integration of complete DAQ, ensuring synchronization
* Order the RAID array for data storage

***Day 120 – 180:***

* Receive delivery of electronics
* Verify that all electronics are working

***Day 180 – 270:***

* Install electronics in final position and complete cabling
* Installation of MIDAS software on remaining VME controllers
* Work on integration of complete DAQ

***Day 270 – 365***

* Final testing and improvement of the DAQ, ready for complete experiment.

***Issues to Consider***

1. ***Almost all electronics come from Europe, prices are highly dependent on the EUR / USD exchange rate***
2. ***Spreading the cost profile over two years will increase the cost of the electronics in some places.*** 
   1. ***CAEN have currently said we can order over two years at no extra cost, but this depends on making a PO for both years at once – not sure of whether GW will agree to this.***
   2. ***The TRB3s do not get cheaper when we buy them all at once, but the PADIWAs do***
3. ***If we can do away with the MMCX connectors on the PADIWAs – the PADIWAs get a lot cheaper. We need to quickly discuss alternatives with Michael Traxler.***
4. ***We need to figure out what Rutgers need and when in the way of TRB3 hardwarefor trigger prototyping.***