**Minutes and Action List of Sept 30 2019 ArgonCube2x2 Instalaltion Meeting**

* Attendees: Jim, Gary, Min Jeong, Sai and Ting
* Gary's new layout is attached in the meeting agenda.  Couple of comments:
	+ The uni-strut posts are used for AC power wire-way conduit from experiment power transformer. Racks are connected to the outlet plus from those wire-way conduit.
		- We will likely to re-use this wire-way conduit for new "clean" AC power transformer to be designed by Linda.
		- Minerva readout racks are likely to use existing experiment AC power
		- We could keep the wire-way conduits on top catwalk for new AC power and the conduits under the catwalk for Minerva and service equipment
		- The scheme to be discussed in electronics installation meeting
	+ We are thinking of moving the cryogenic condenser away from argonCube readout racks as they are on different AC powers
		- Min Jeong is to look the option
	+ There is also a possibility of adding more hadron calorimeter modules to the downstream Minerva group.
		- Jim to double check how many modules we can store in the storage rack upstream
	+ Jim also commented that the possibility of module damage during removal is very small. So we will not consider to store spare modules
	+ We still need  to measure the dimension of the minos racks
* Most of the JHAs for module removal are already in the system. We need to approve all of them in couple of weeks.
* The electrical disconnection could be done through breakers connected to the experiment power transformer.
	+ With the power off, out electrical technician can remove the electrical conduit on the Minerva detector
	+ Steve to check on this with Dave Featherstone
* We decided to use scissor lifter for both module removal and PMT access during Minerva decommissioning
	+ training needs to scheduled with Angela for electrical technicians or students/postdoc
	+ Last week of October sounds a good time for the training class
* Jim asks MSB space to prepare strongback. Steve is to check with Aria about status of MSB cleanup work. We need the area cleaned up by next week
* It turns out we need to find a temporary  storage space for veto scintillator
	+ We will look warehouses or Lab 6
	+ The scintillator plane is about 3" by 12" with PMTs attached at the end.
	+ There are 12 planes. They are movable -- on the wheel cart?
* We also need to find couple of storage cabinet to store Minerva electronics in the hall.
* Jim already has agreement about where to store the scrap lead. A storage box will be installed on the west side of the MSB room
* Summary of action task list:
	+ John,Jim, Steve and Angela to finish decommissioning JHAs
	+ Ting and Steve to talk to Clarence and Howard and writing JHAs on PMT removal
	+ Angela to arrange scissor lifter training class
	+ Steve to ask Aria to clean up MSB by next week
	+ Jim to double check the maximum number of modules we can put on the storage racks
	+ Steve to measure the Minos rack dimension
	+ Steve to check with Dave Featherston on required procedure for Minerva on-detector electrical conduit removal
	+ Ting and Jim to look storage space for veto scintillator
	+ Everyone look the decommissioning startup job list on the google drive and send in comments/additions etc.
		- The link is on the meeting agenda