

CBETA Magnet Power Supplies (J. Barley)

- FFAG Corrector Magnet Power Supplies:
 - Finish RFP for corrector power supplies and send to vendors
 - Allow 4 weeks for proposals.
 - One, possibly two models (dipole corrector, quad corrector)
 - Vendors: Sigma Phi, CAENels, Danfysik, TDK-Lambda, Bira, Kepco, etc.
 - Quad correctors (213 channels + spares : depends on package)
 - Dipole correctors (213 channels + spares : depends on package)
 - Almost certainly custom package with at least 8 channels per chassis.
 - Decide best fit units, place order

- Splitter/Combiner Magnet Power Supplies:
 - Write RFP for Splitter Combiner magnet power supplies (when magnet specs solidified)
 - Most likely “off the shelf” units (probably single channel).
 - Dipole (48 + 10 spares)
 - Quadrupole (64 + 10 spares)
 - Correctors (64 + 10 spares)
 - Vendors: Sigma Phi, CAENels, Danfysik, TDK-Lambda, Bira, Kepco, etc.
 - Decide best fit units, place order

- Magnet lead cable:
 - For FFAG corrector power supplies: order 15k feet of 14/2 (SJOOW) cable
 - When Splitter/Combiner specs are solidified, decide cable sizes and order.

- Equipment racks:
 - Get bids from 3 different vendors for (18) 19” equipment racks
 - Vendors: Amco, BUD Industries, Schroff etc.
 - Decide best fit units, place order.

- Notes:
 - RFP’s after CESR startup