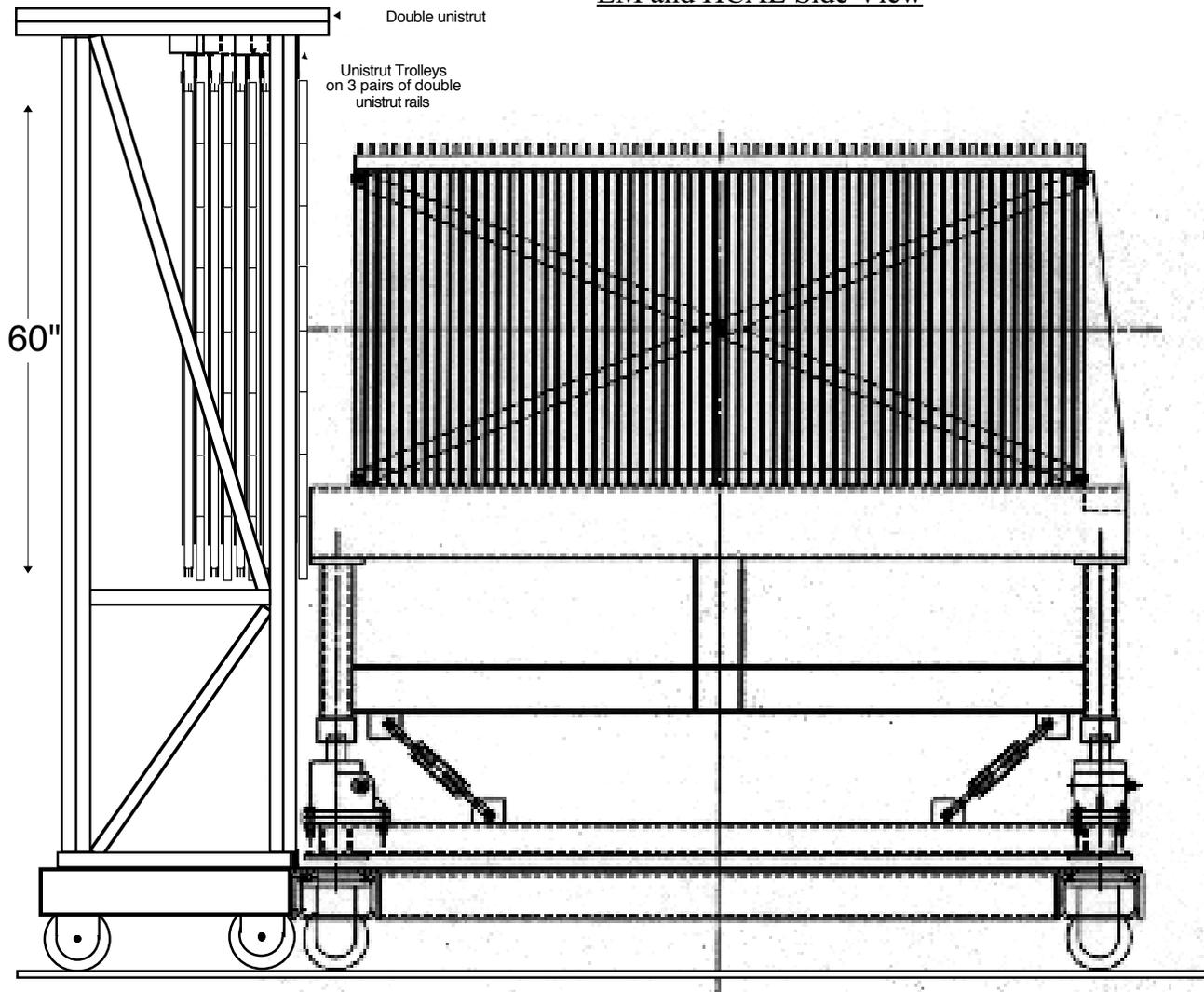


HCAL & EMCAL Summary

- We have received funding from DOE NNSA Office of Research Stewardship Science Academic Alliances program for "Proton Radiography Cross Section Measurements and Prototype Detector Development" (as of \approx Nov. 15).
- New postdoc Durga Rajaram will start Nov. 15.
- University of Virginia group (who built the HyperCP hadron calorimeter) will share responsibilities for HCAL (subject to IP Board approval). Considerable work needed for HCAL: Replace phototubes, new covers, light pulser system, readout,
- Design of EMCAL is almost complete. Lead plates were ordered. "Lead training" required (Hyangkyu Park, Durga Rajaram, and Dave Northacker ?)
- Final design of new base for HCAL has to be completed (Ingrid Fang?). It will probably be extended to serve as base for EMCAL.
- EMCAL assembly can start before new base is ready.
- EMCAL readout design by Dick Gustafson. Readout will be tested along with proportional chambers.

40"

EM and HCAL Side View



Unistrut trolleys--one pair per 60"x60" sheet

