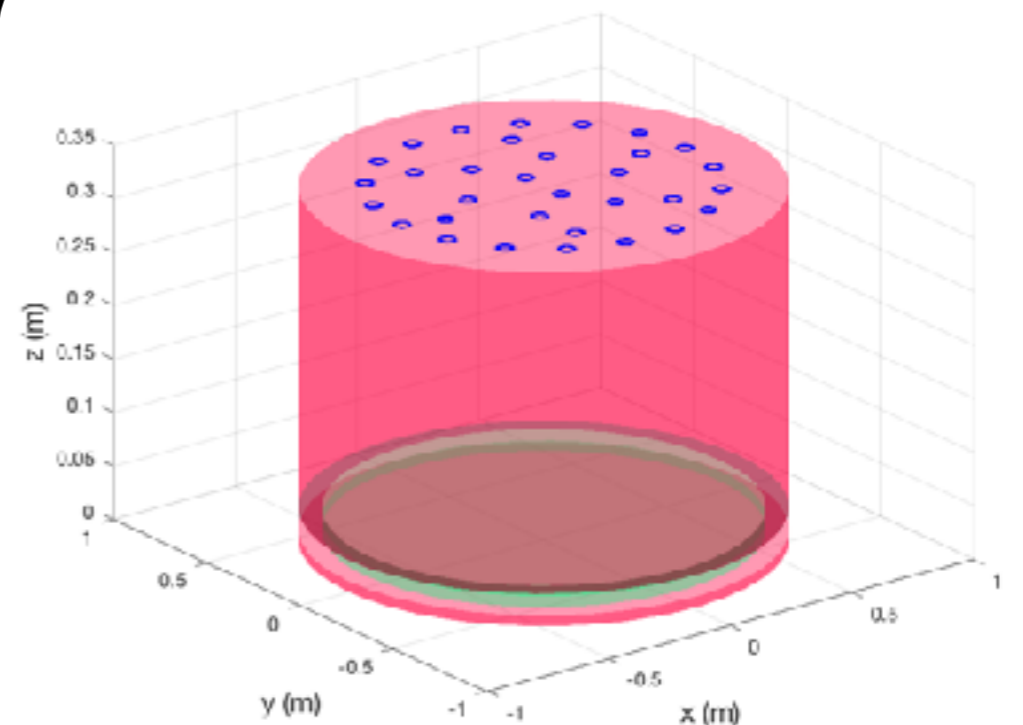
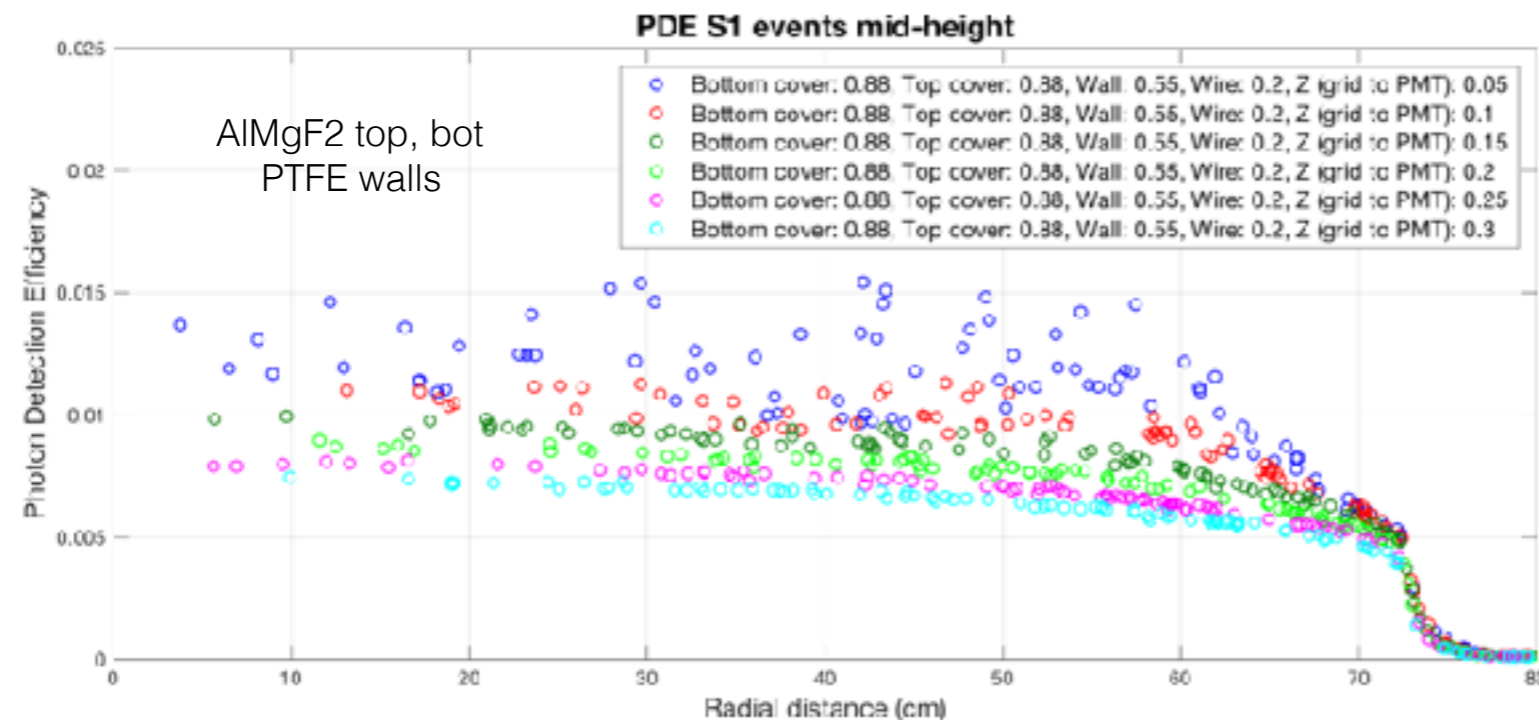
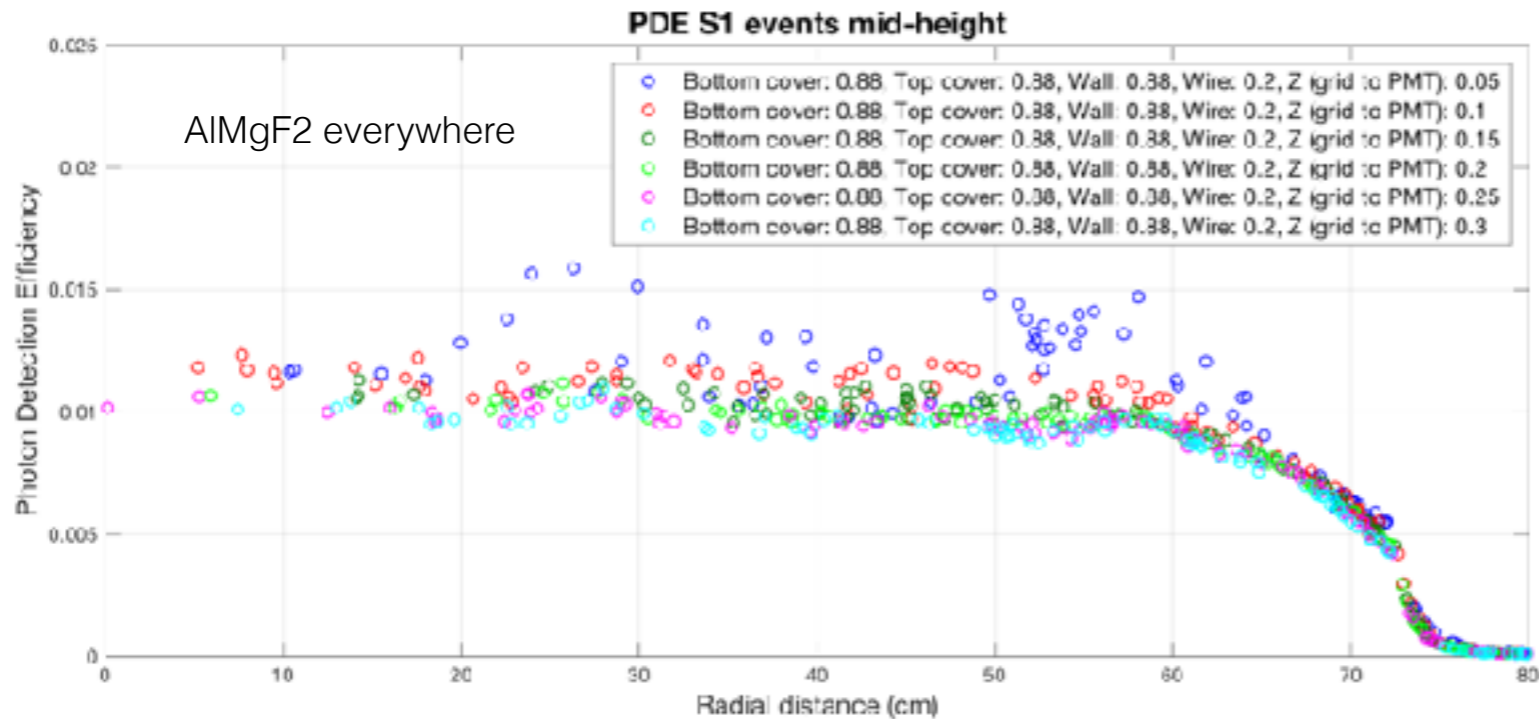


Phase II optical and electrical simulations

Rachel Mannino
20 June 2017



Implemented random sweep of events in the x-y plane

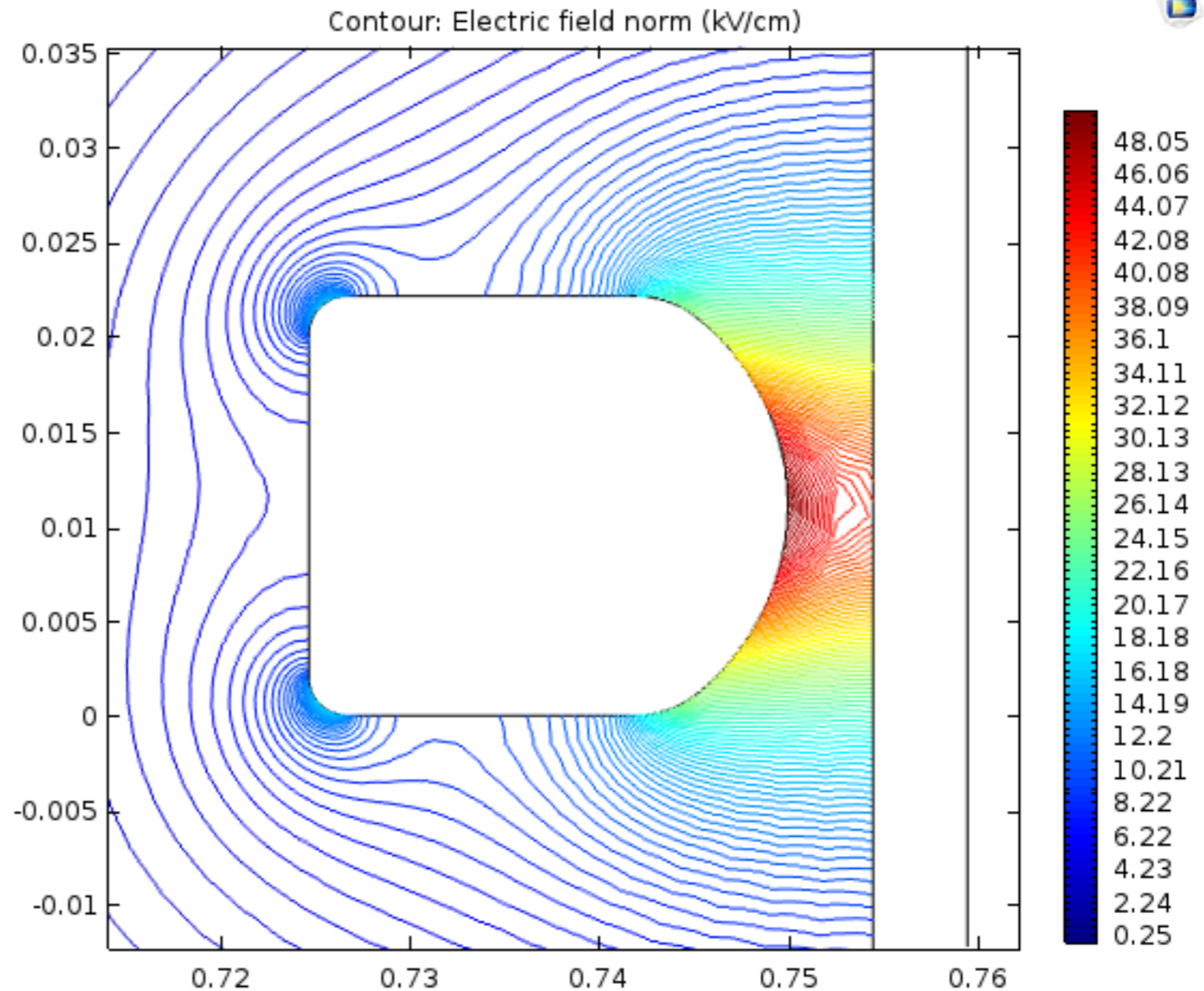


- Varied the z-position of the PMT array to check the photon detection efficiency for different set-ups

- PMT positions are from Brian's drawings for Phase II

COMSOL Simulations

- Simulations of various “field hoops” to test the field on the outside of the cathode ring
- Need really small gap of ~ 0.45 cm to have cathode at -20 kV and still get 50 kV/cm field.



COMSOL Simulations

