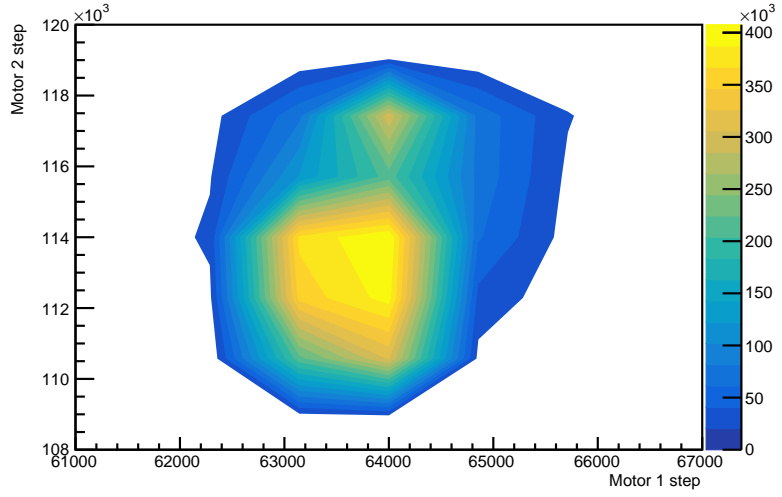


Topological evidence of beamstrahlung.

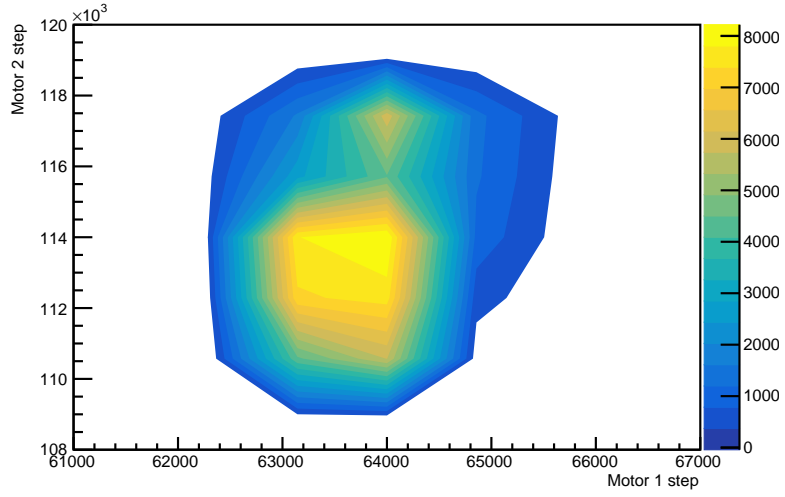
Presented here are averaged data taken during the period April 28-May 22, 2021. In a 84 point lattice, the fit for a beamstrahlung signal is done for each point, and a signal strength heat map extracted. The beamstrahlung spot comes from a very small region, and passes through a vacuum mirror that produces square spots of sizes between 6.2 and 6.9 mm at the second collimator.

Only data for Electron UP are presented, because it had a non-saturated signal, and a 8 mm second collimator. Electron DOWN had a 19 mm collimator and no shape can be resolved. Positron UP had a 8mm collimator but its signal is saturated.

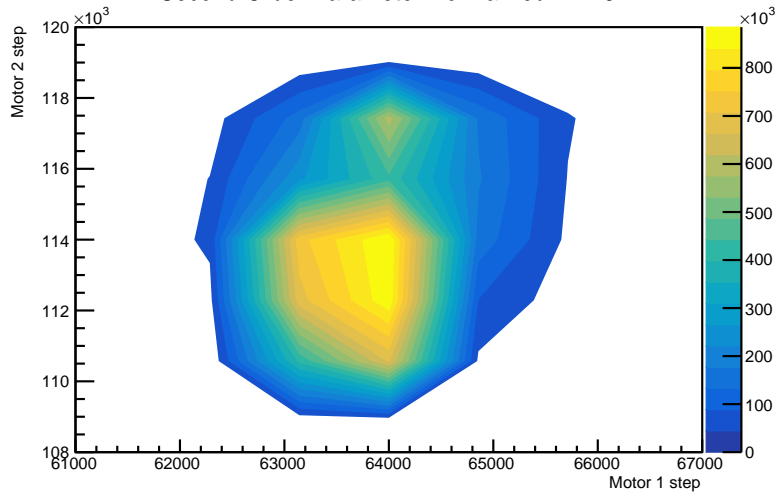
Second Order Parameter Normalized PMT1



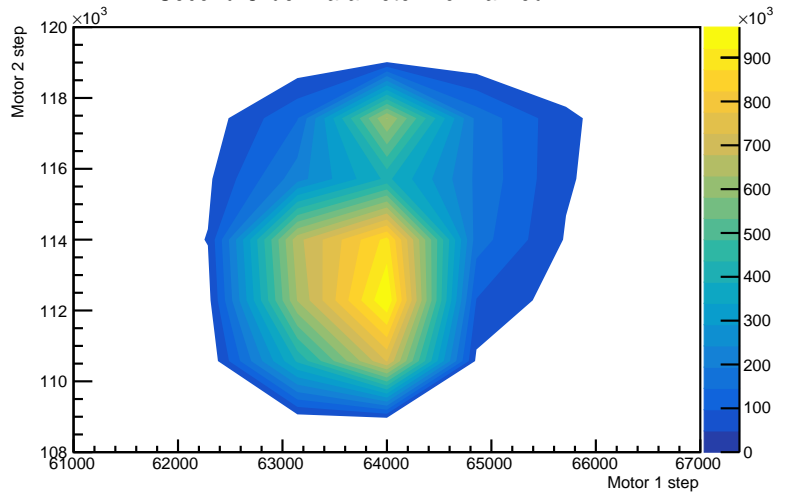
Second Order Parameter Normalized PMT2



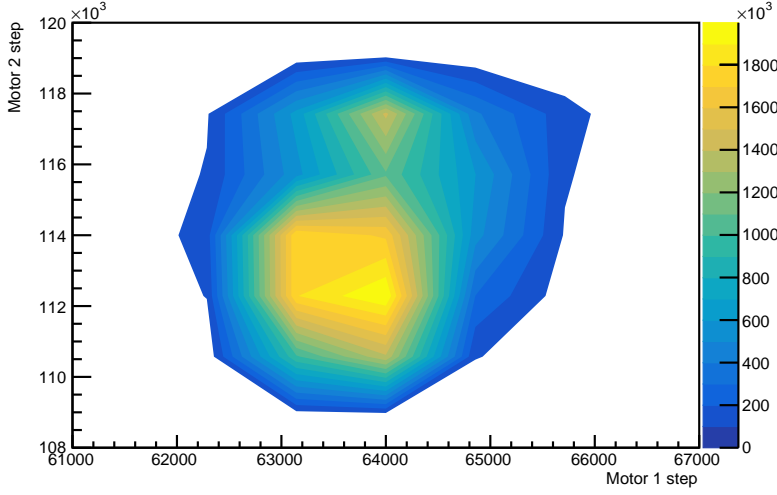
Second Order Parameter Normalized PMT3



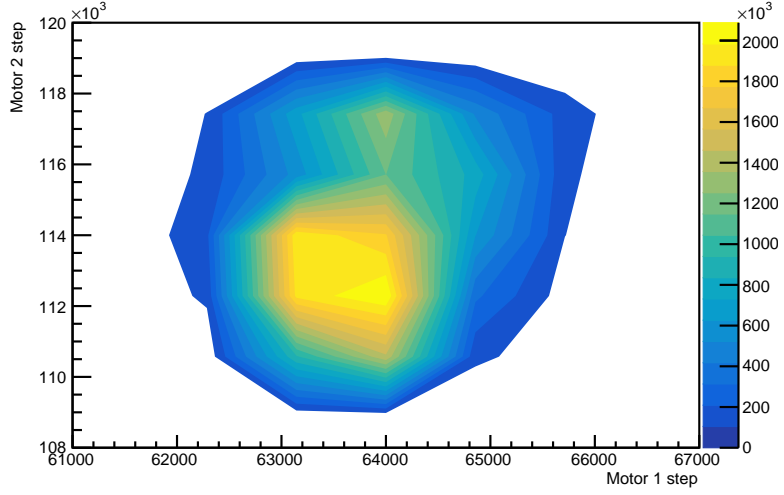
Second Order Parameter Normalized PMT4



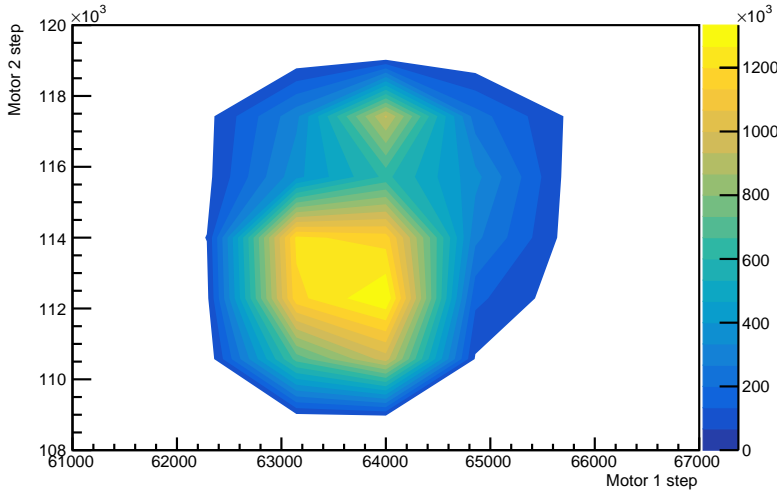
Second Order Parameter Normalized PMT5



Second Order Parameter Normalized PMT6



Second Order Parameter Normalized PMT7



Second Order Parameter Normalized PMT8

