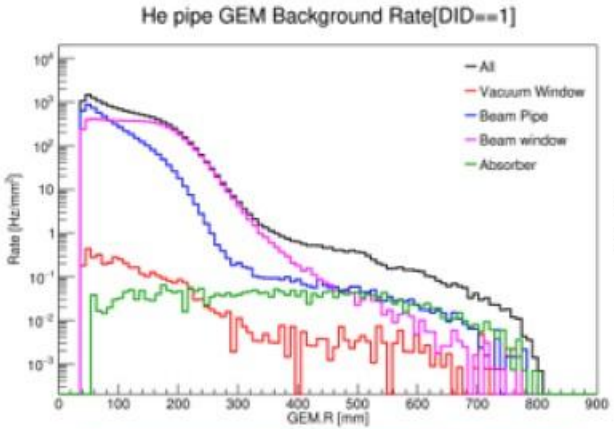
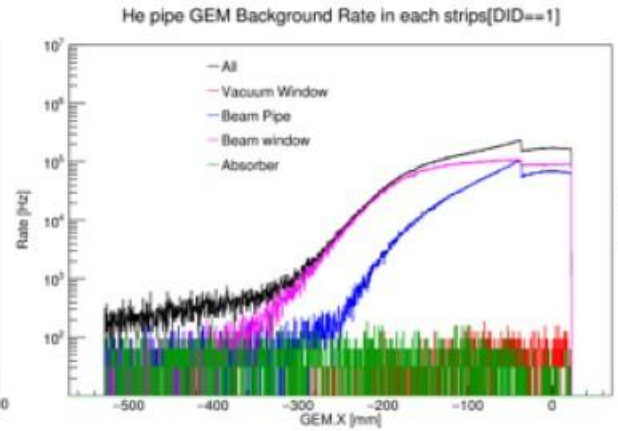
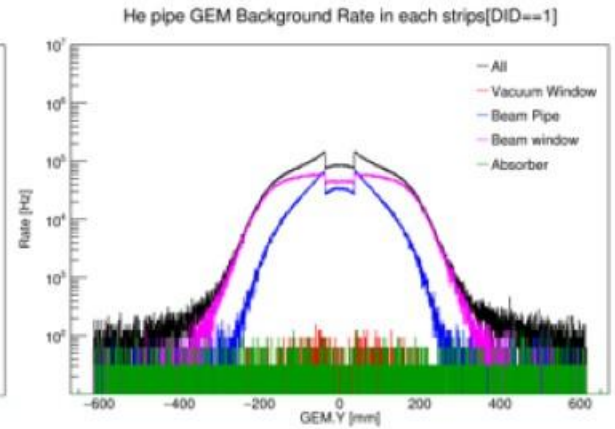
X17 Summary

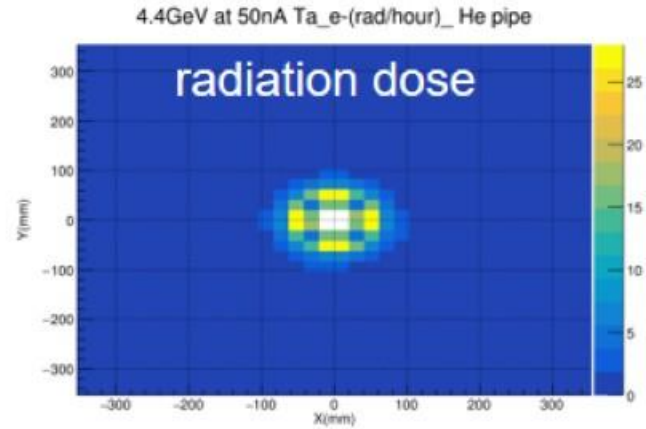
4.4 GeV, 50 nA, 0.5 μm, old absorber

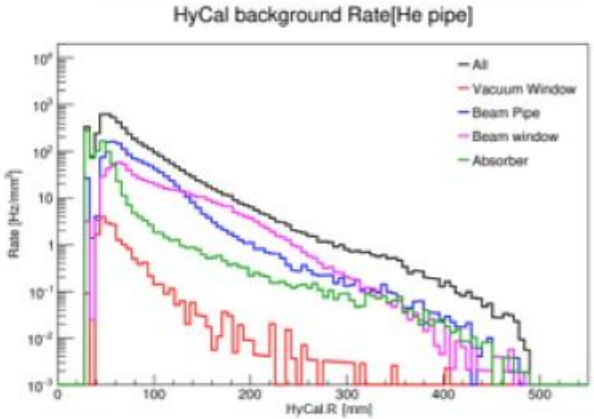


All	Total Rate = 7.812e+07 Hz
Vacuum Window	Total Rate = 2.703e+04 Hz
Beam Pipe	Total Rate = 2.430e+07 Hz
Beam window	Total Rate = 4.907e+07 Hz
Absorber	Total Rate = 4.903e+04 Hz

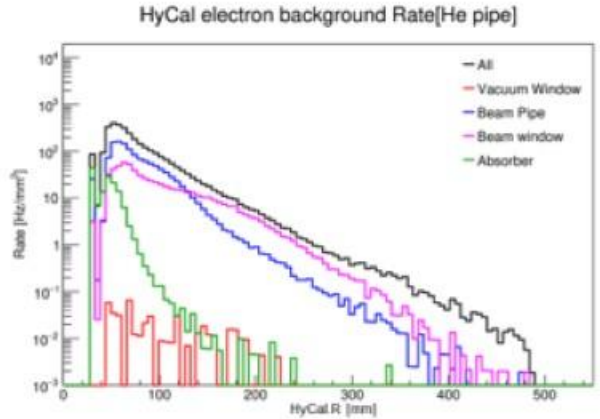




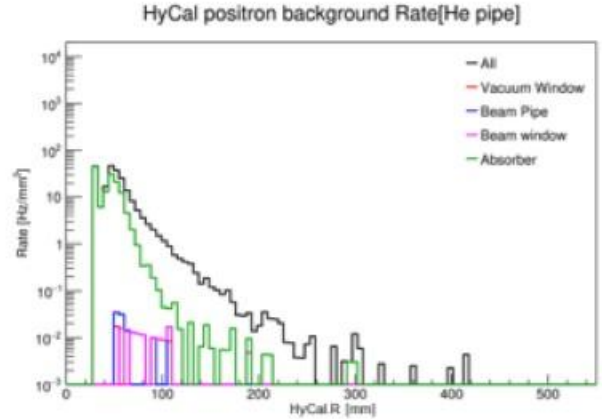




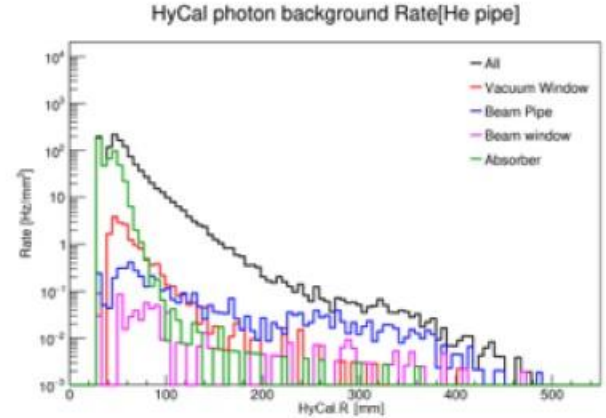
All	Total Rate = 1.102e+07 Hz
Vacuum Window	Total Rate = 3.591e+04 Hz
Beam Pipe	Total Rate = 3.235e+06 Hz
Beam window	Total Rate = 2.003e+06 Hz
Absorber	Total Rate = 1.321e+06 Hz



All	Total Rate = 7.846e+06 Hz
Vacuum Window	Total Rate = 1.438e+03 Hz
Beam Pipe	Total Rate = 3.148e+06 Hz
Beam window	Total Rate = 1.993e+06 Hz
Absorber	Total Rate = 2.202e+05 Hz

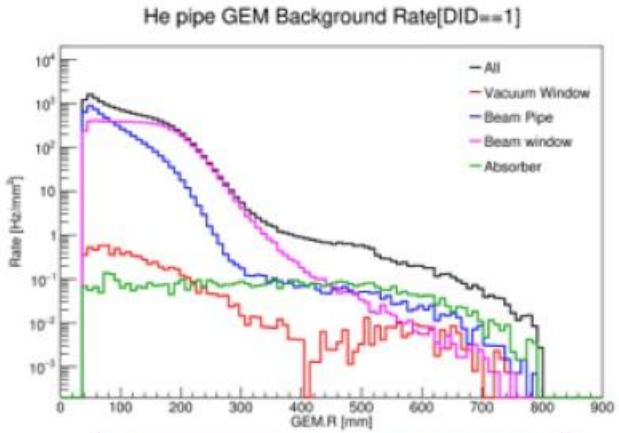


All	Total Rate = 3.869e+05 Hz
Vacuum Window	Total Rate = 1.250e+02 Hz
Beam Pipe	Total Rate = 2.500e+02 Hz
Beam window	Total Rate = 3.125e+02 Hz
Absorber	Total Rate = 2.070e+05 Hz

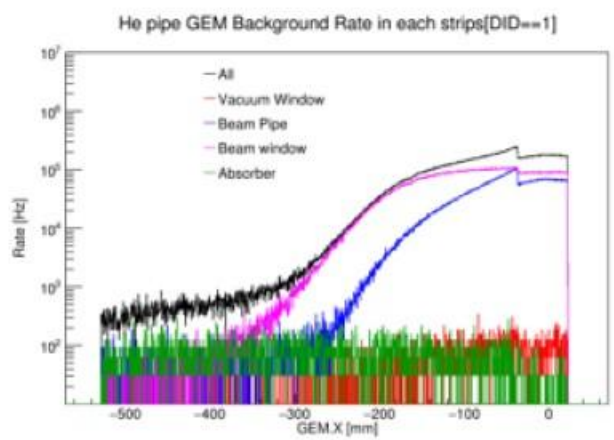


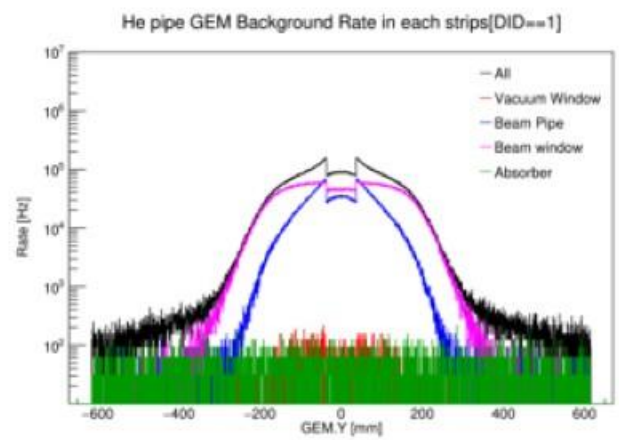
All	Total Rate = 2.159e+06 Hz
Vacuum Window	Total Rate = 3.419e+04 Hz
Beam Pipe	Total Rate = 1.669e+04 Hz
Beam window	Total Rate = 2.281e+03 Hz
Absorber	Total Rate = 6.589e+05 Hz

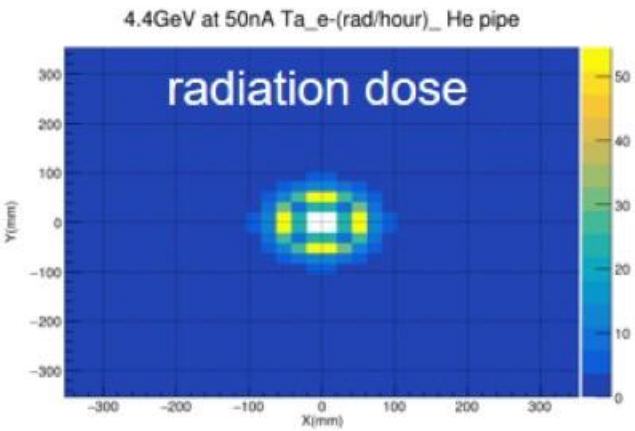
4.4 GeV, 50 nA, 1 μm, old absorber

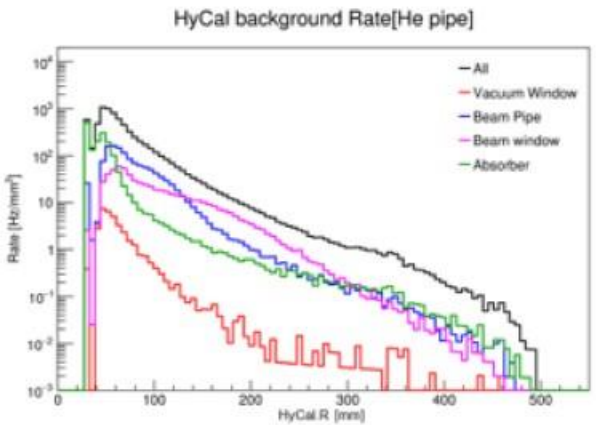


All	Total Rate = 7.995e+07 Hz
Vacuum Window	Total Rate = 5.203e+04 Hz
Beam Pipe	Total Rate = 2.430e+07 Hz
Beam window	Total Rate = 4.910e+07 Hz
Absorber	Total Rate = 9.388e+04 Hz

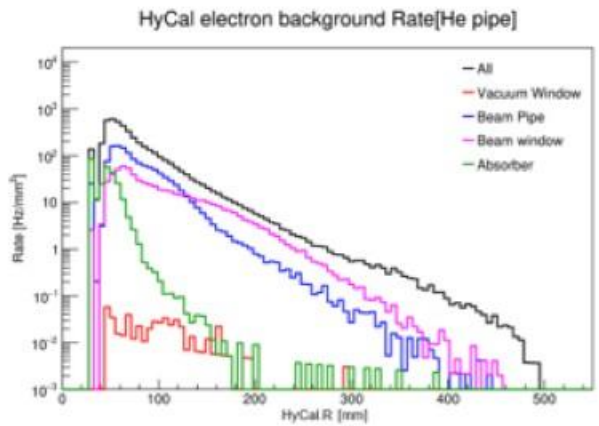




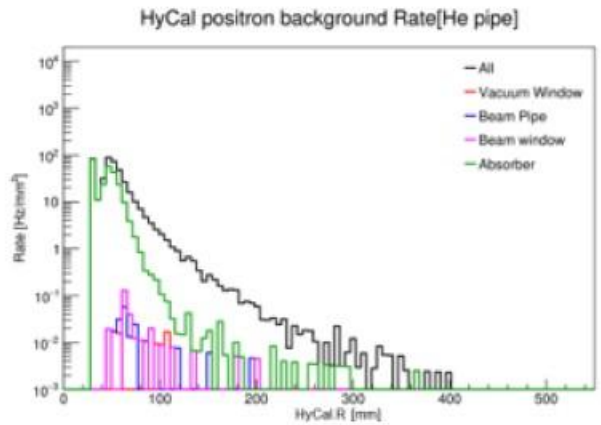




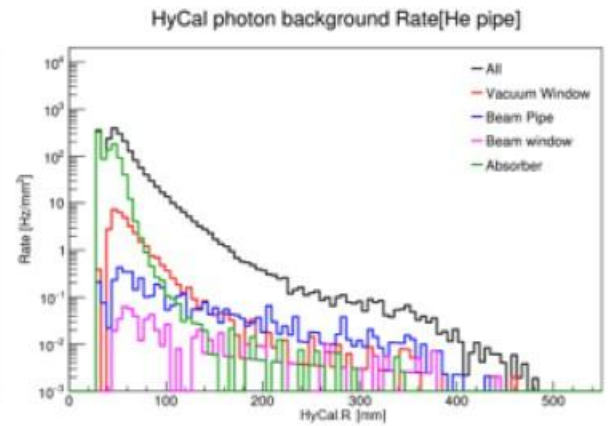
All	Total Rate = 1.595e+07 Hz
Vacuum Window	Total Rate = 7.406e+04 Hz
Beam Pipe	Total Rate = 3.255e+06 Hz
Beam window	Total Rate = 1.988e+06 Hz
Absorber	Total Rate = 2.502e+06 Hz



All	Total Rate = 1.052e+07 Hz
Vacuum Window	Total Rate = 1.656e+03 Hz
Beam Pipe	Total Rate = 3.169e+06 Hz
Beam window	Total Rate = 1.976e+06 Hz
Absorber	Total Rate = 4.126e+05 Hz



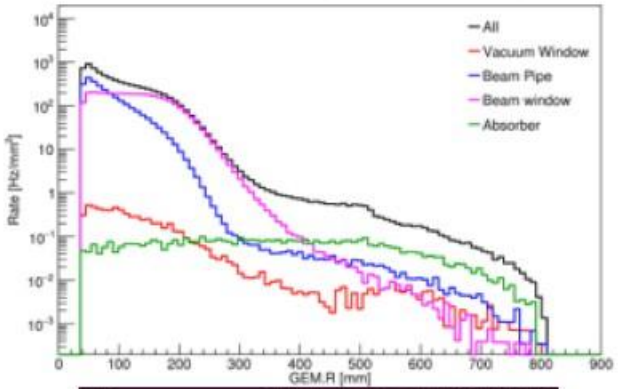
All	Total Rate = 7.341e+05 Hz
Vacuum Window	Total Rate = 1.875e+02 Hz
Beam Pipe	Total Rate = 5.312e+02 Hz
Beam window	Total Rate = 6.875e+02 Hz
Absorber	Total Rate = 3.928e+05 Hz



All	Total Rate = 3.644e+06 Hz
Vacuum Window	Total Rate = 7.209e+04 Hz
Beam Pipe	Total Rate = 1.541e+04 Hz
Beam window	Total Rate = 2.469e+03 Hz
Absorber	Total Rate = 1.229e+06 Hz

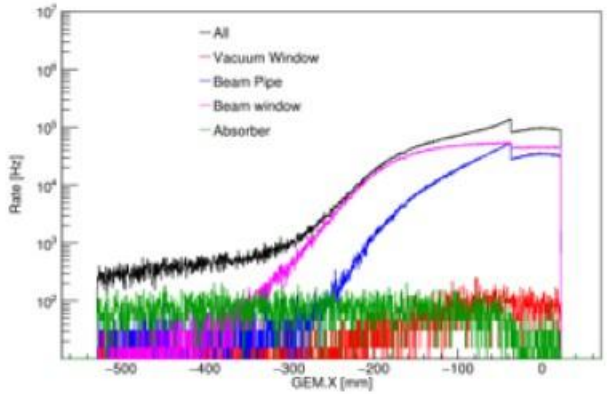
4.4 GeV, 25 nA, 2 μm, old absorber

He pipe GEM Background Rate[DID==1]

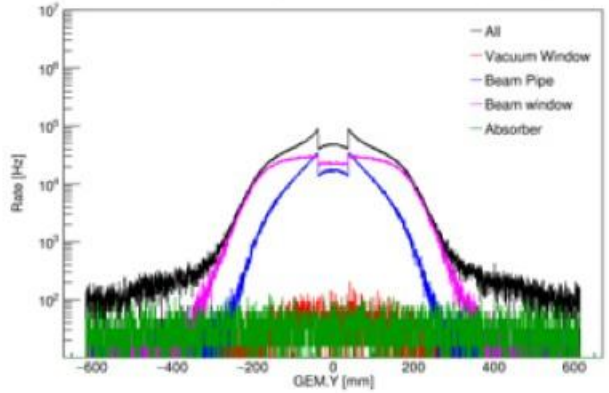


All	Total Rate = 4.182e+07 Hz
Vacuum Window	Total Rate = 4.853e+04 Hz
Beam Pipe	Total Rate = 1.217e+07 Hz
Beam window	Total Rate = 2.454e+07 Hz
Absorber	Total Rate = 9.470e+04 Hz

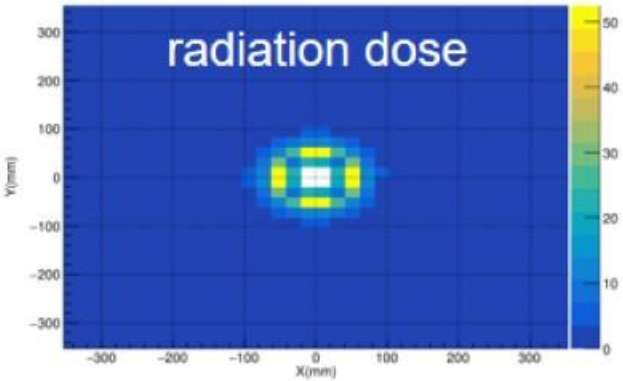
He pipe GEM Background Rate in each strips[DID==1]



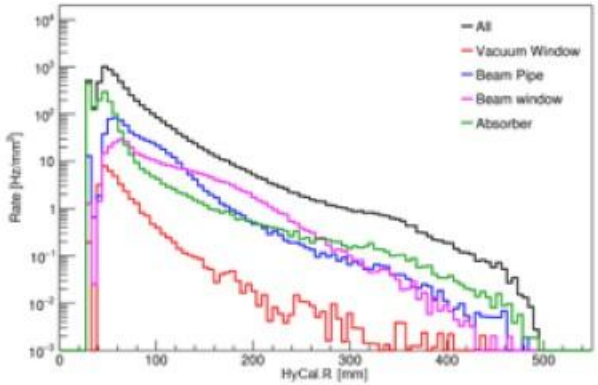
He pipe GEM Background Rate in each strips[DID==1]



4.4GeV at 25nA Ta_e-(rad/hour)_ He pipe

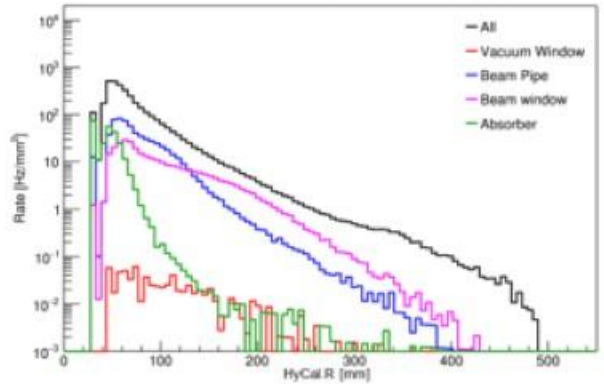


HyCal background Rate[He pipe]



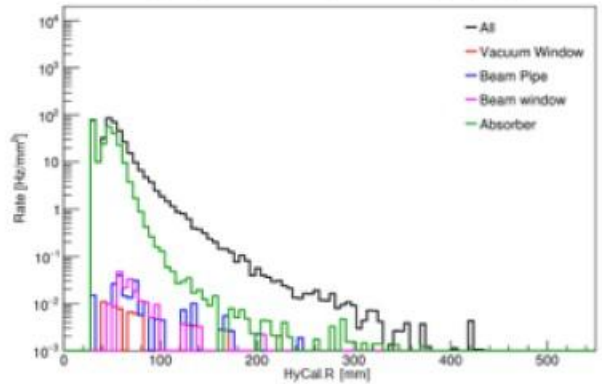
All	Total Rate = 1.290e+07 Hz
Vacuum Window	Total Rate = 7.541e+04 Hz
Beam Pipe	Total Rate = 1.636e+06 Hz
Beam window	Total Rate = 1.004e+06 Hz
Absorber	Total Rate = 2.386e+06 Hz

HyCal electron background Rate[He pipe]



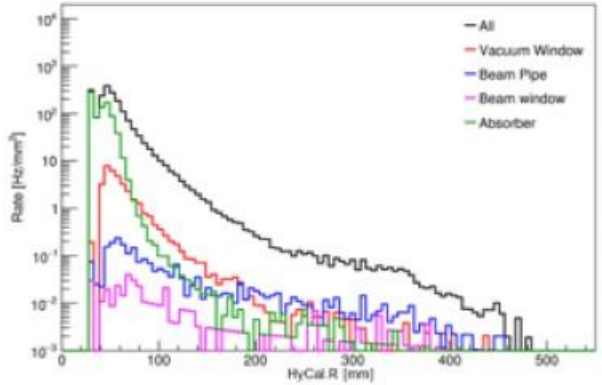
All	Total Rate = 7.958e+06 Hz
Vacuum Window	Total Rate = 2.500e+03 Hz
Beam Pipe	Total Rate = 1.592e+06 Hz
Beam window	Total Rate = 9.982e+05 Hz
Absorber	Total Rate = 4.009e+05 Hz

HyCal positron background Rate[He pipe]



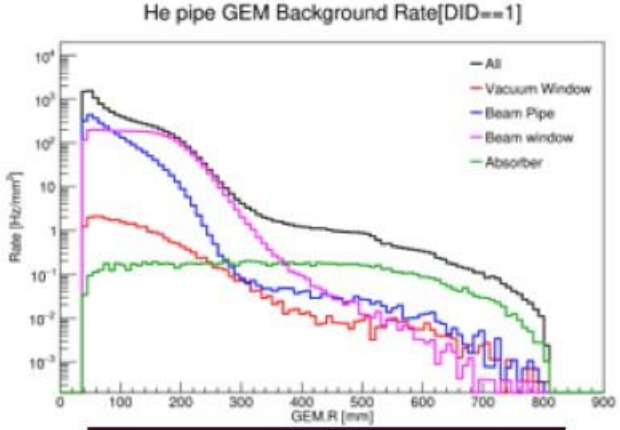
All	Total Rate = 7.137e+05 Hz
Vacuum Window	Total Rate = 2.188e+02 Hz
Beam Pipe	Total Rate = 5.469e+02 Hz
Beam window	Total Rate = 4.375e+02 Hz
Absorber	Total Rate = 3.780e+05 Hz

HyCal photon background Rate[He pipe]

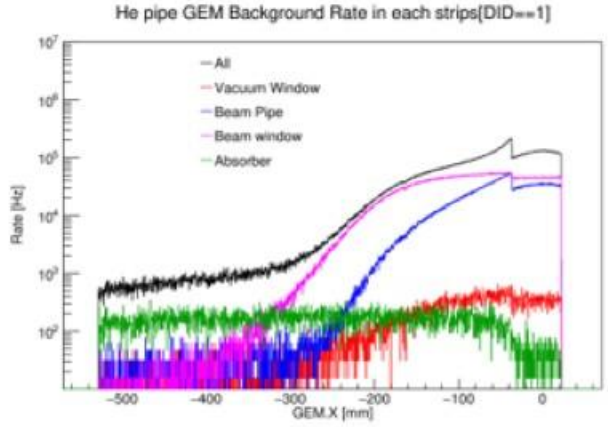


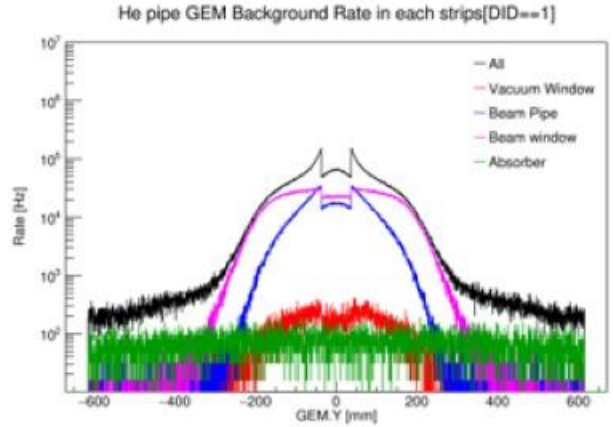
All	Total Rate = 3.277e+06 Hz
Vacuum Window	Total Rate = 7.255e+04 Hz
Beam Pipe	Total Rate = 8.297e+03 Hz
Beam window	Total Rate = 1.438e+03 Hz
Absorber	Total Rate = 1.156e+06 Hz

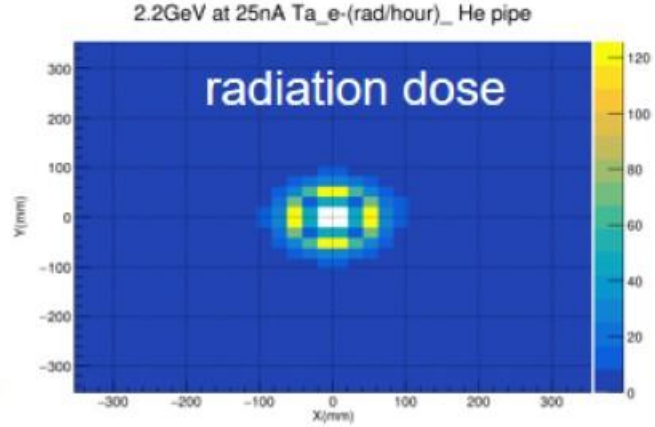
2.2 GeV, 25 nA, 2 μm, old absorber

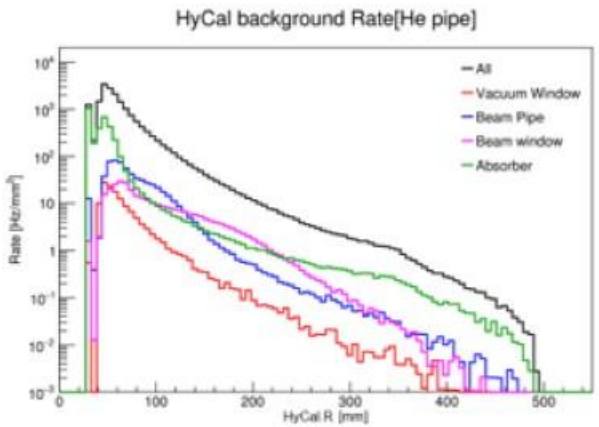


All	Total Rate = 5.079e+07 Hz
Vacuum Window	Total Rate = 1.837e+05 Hz
Beam Pipe	Total Rate = 1.228e+07 Hz
Beam window	Total Rate = 2.453e+07 Hz
Absorber	Total Rate = 2.092e+05 Hz

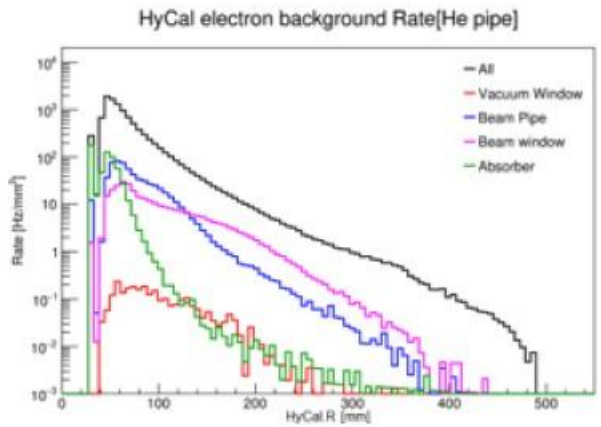




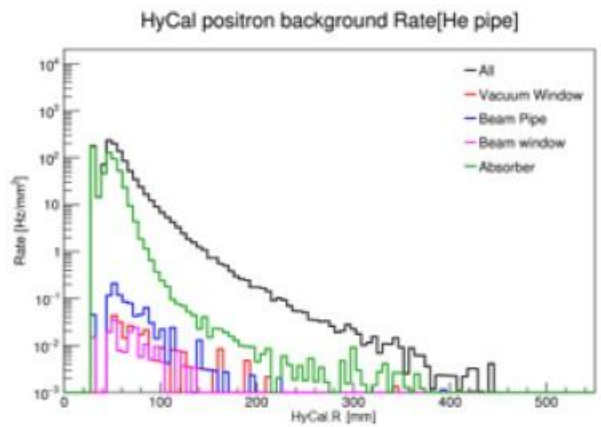




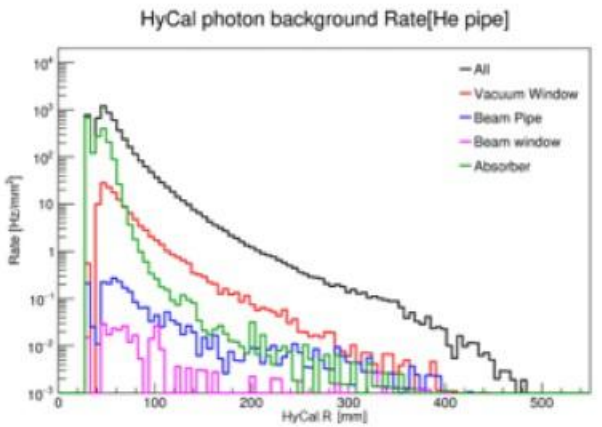
All	Total Rate = 3.680e+07 Hz
Vacuum Window	Total Rate = 2.944e+05 Hz
Beam Pipe	Total Rate = 1.608e+06 Hz
Beam window	Total Rate = 9.866e+05 Hz
Absorber	Total Rate = 5.217e+06 Hz



All	Total Rate = 2.253e+07 Hz
Vacuum Window	Total Rate = 8.984e+03 Hz
Beam Pipe	Total Rate = 1.576e+06 Hz
Beam window	Total Rate = 9.834e+05 Hz
Absorber	Total Rate = 8.925e+05 Hz

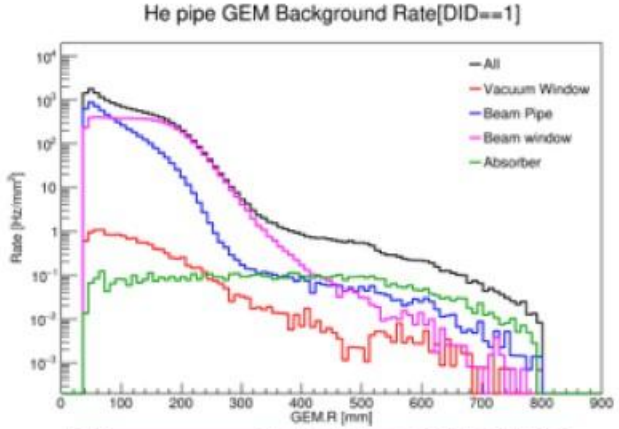


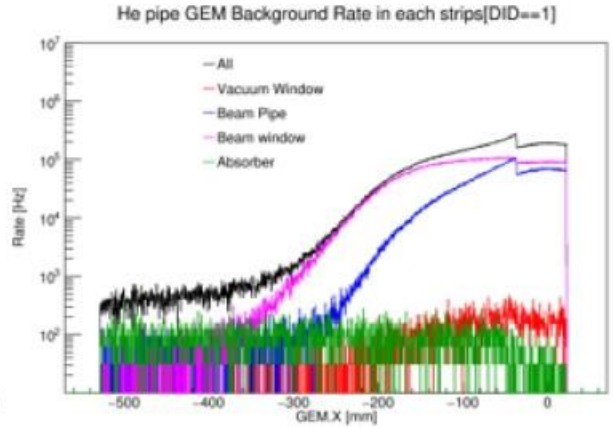
All	Total Rate = 2.041e+06 Hz
Vacuum Window	Total Rate = 7.344e+02 Hz
Beam Pipe	Total Rate = 2.188e+03 Hz
Beam window	Total Rate = 4.219e+02 Hz
Absorber	Total Rate = 8.439e+05 Hz

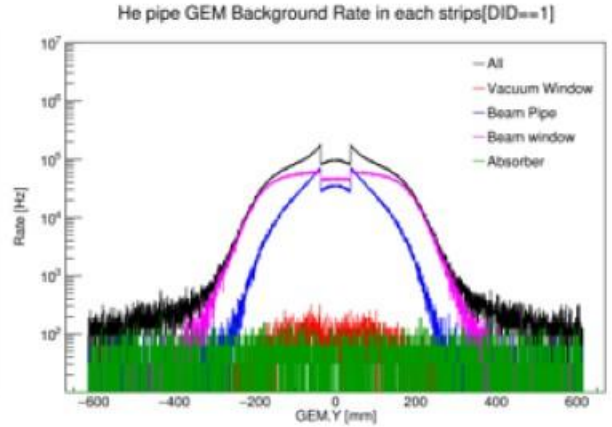


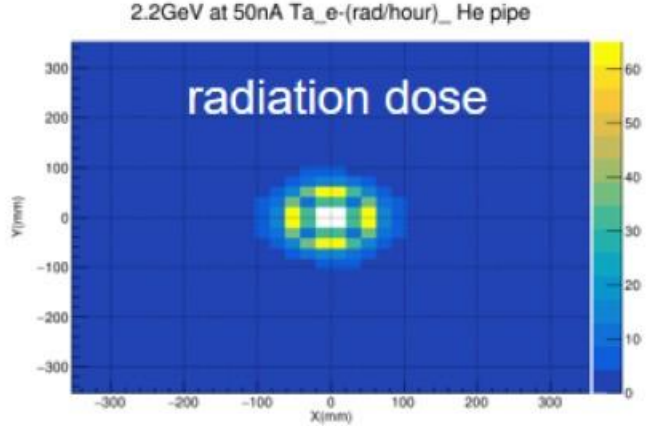
All	Total Rate = 1.014e+07 Hz
Vacuum Window	Total Rate = 2.845e+05 Hz
Beam Pipe	Total Rate = 6.562e+03 Hz
Beam window	Total Rate = 7.969e+02 Hz
Absorber	Total Rate = 2.539e+06 Hz

2.2 GeV, 50 nA, 0.5 μm, old absorber

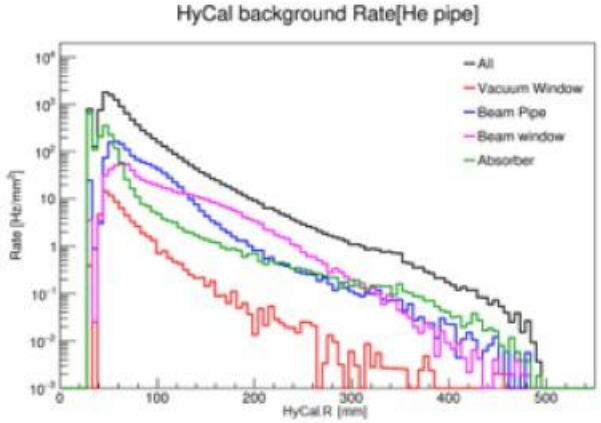


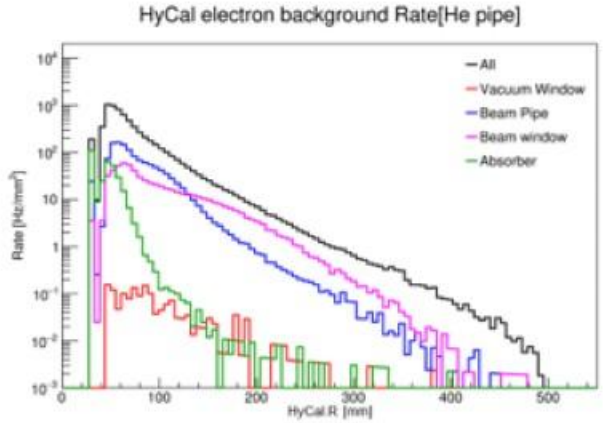


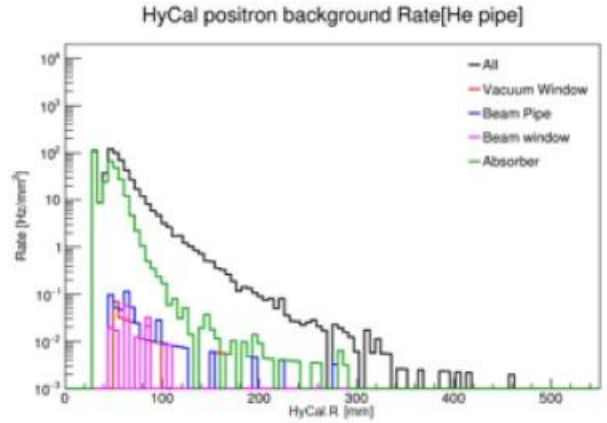


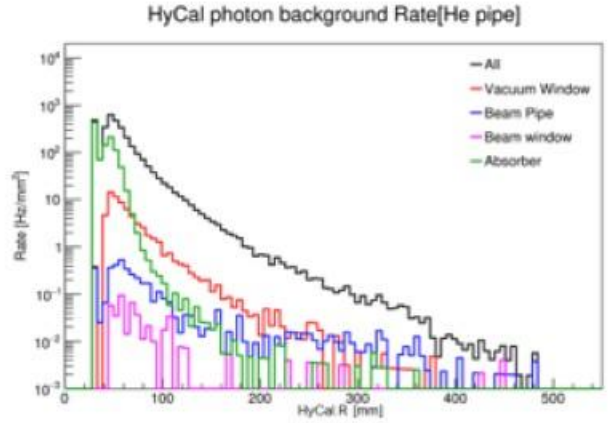


All	Total Rate = 8.257e+07 Hz
Vacuum Window	Total Rate = 8.947e+04 Hz
Beam Pipe	Total Rate = 2.437e+07 Hz
Beam window	Total Rate = 4.903e+07 Hz
Absorber	Total Rate = 1.110e+05 Hz









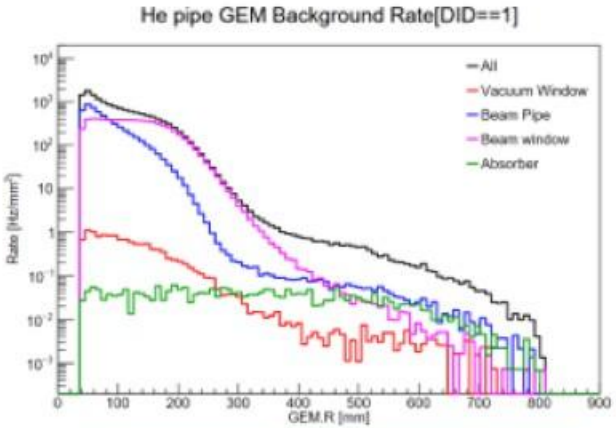
All	Total Rate = 2.309e+07 Hz
Vacuum Window	Total Rate = 1.492e+05 Hz
Beam Pipe	Total Rate = 3.168e+06 Hz
Beam window	Total Rate = 1.959e+06 Hz
Absorber	Total Rate = 2.876e+06 Hz

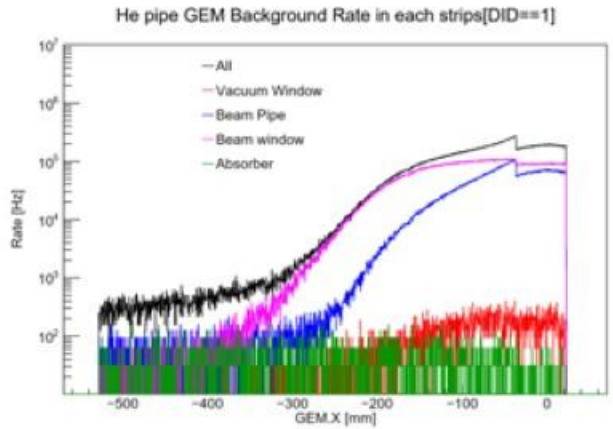
All	Total Rate = 1.515e+07 Hz
Vacuum Window	Total Rate = 5.000e+03 Hz
Beam Pipe	Total Rate = 3.110e+06 Hz
Beam window	Total Rate = 1.952e+06 Hz
Absorber	Total Rate = 4.837e+05 Hz

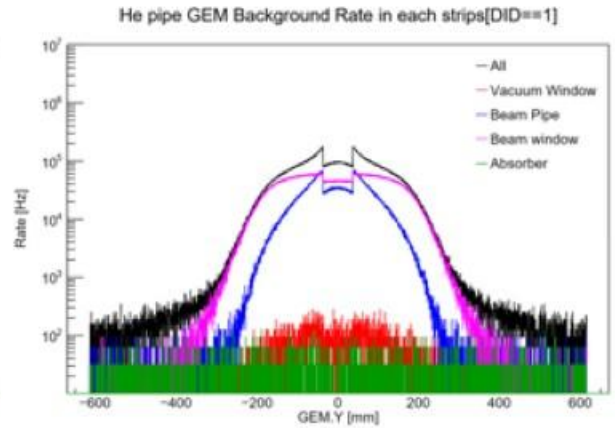
All	Total Rate = 1.055e+06 Hz
Vacuum Window	Total Rate = 5.938e+02 Hz
Beam Pipe	Total Rate = 1.188e+03 Hz
Beam window	Total Rate = 3.438e+02 Hz
Absorber	Total Rate = 4.571e+05 Hz

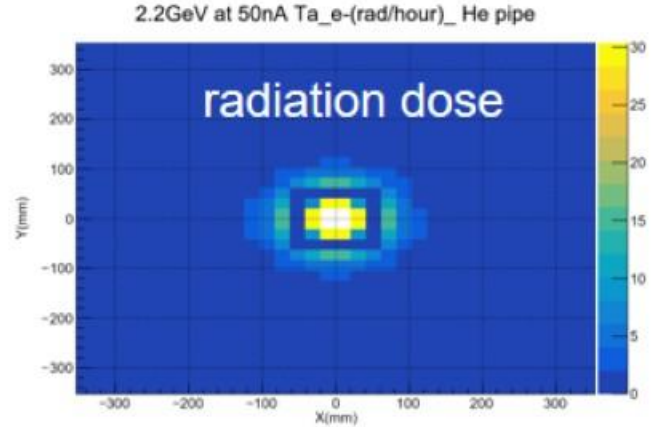
All	Total Rate = 5.718e+06 Hz
Vacuum Window	Total Rate = 1.435e+05 Hz
Beam Pipe	Total Rate = 1.159e+04 Hz
Beam window	Total Rate = 1.281e+03 Hz
Absorber	Total Rate = 1.440e+06 Hz

2.2 GeV, 50 nA, 0.5 μm, new absorber

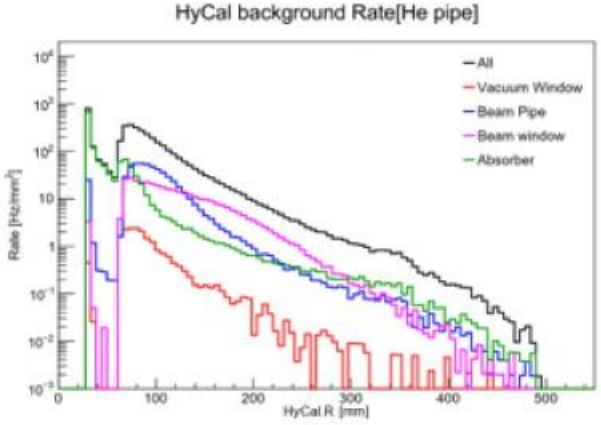


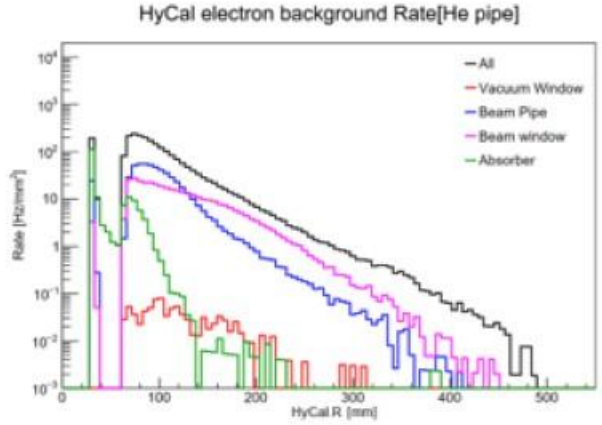


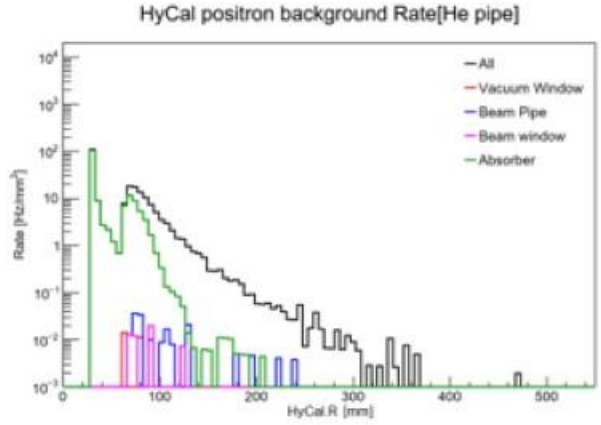


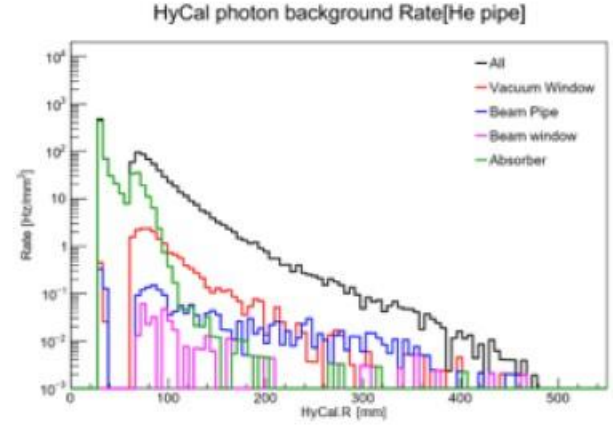


All	Total Rate = 8.240e+07 Hz
Vacuum Window	Total Rate = 8.744e+04 Hz
Beam Pipe	Total Rate = 2.435e+07 Hz
Beam window	Total Rate = 4.899e+07 Hz
Absorber	Total Rate = 4.431e+04 Hz









All	Total Rate = 1.109e+07 Hz
Vacuum Window	Total Rate = 6.038e+04 Hz
Beam Pipe	Total Rate = 1.786e+06 Hz
Beam window	Total Rate = 1.475e+06 Hz
Absorber	Total Rate = 1.973e+06 Hz

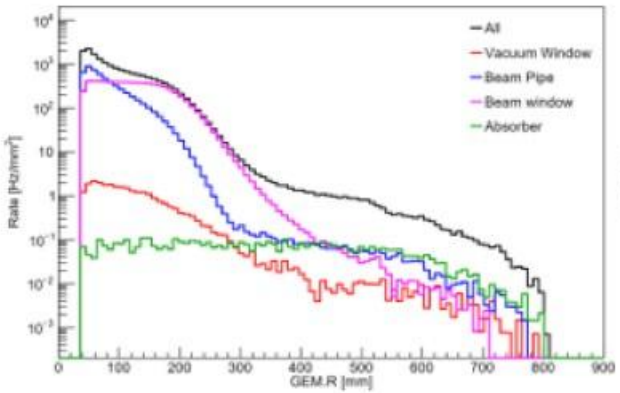
All	Total Rate = 7.340e+06 Hz
Vacuum Window	Total Rate = 3.688e+03 Hz
Beam Pipe	Total Rate = 1.734e+06 Hz
Beam window	Total Rate = 1.468e+06 Hz
Absorber	Total Rate = 2.468e+05 Hz

All	Total Rate = 4.237e+05 Hz
Vacuum Window	Total Rate = 1.250e+02 Hz
Beam Pipe	Total Rate = 5.938e+02 Hz
Beam window	Total Rate = 1.562e+02 Hz
Absorber	Total Rate = 2.346e+05 Hz

All	Total Rate = 2.381e+06 Hz
Vacuum Window	Total Rate = 5.634e+04 Hz
Beam Pipe	Total Rate = 8.688e+03 Hz
Beam window	Total Rate = 1.281e+03 Hz
Absorber	Total Rate = 9.215e+05 Hz

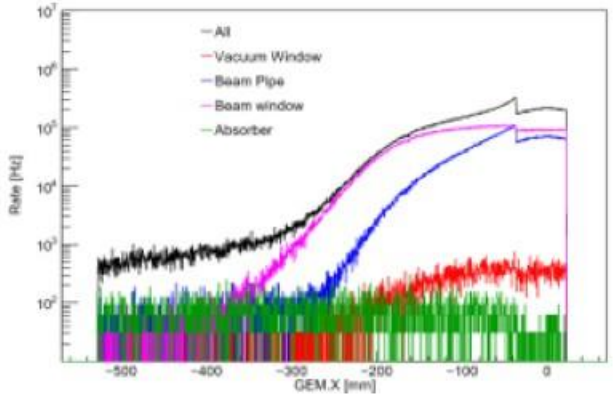
2.2 GeV, 50 nA, 1 μm, new absorber

He pipe GEM Background Rate[DID==1]

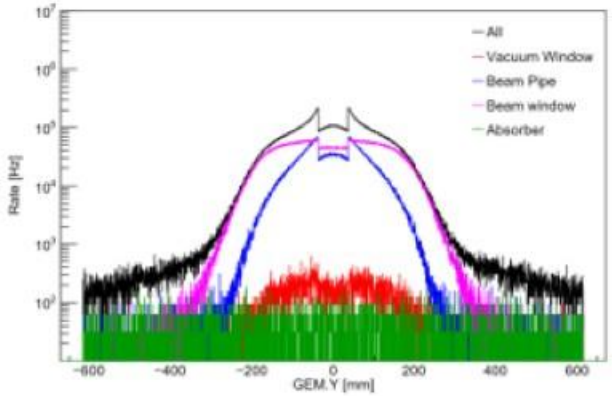


All	Total Rate = 8.865e+07 Hz
Vacuum Window	Total Rate = 1.794e+05 Hz
Beam Pipe	Total Rate = 2.442e+07 Hz
Beam window	Total Rate = 4.904e+07 Hz
Absorber	Total Rate = 8.700e+04 Hz

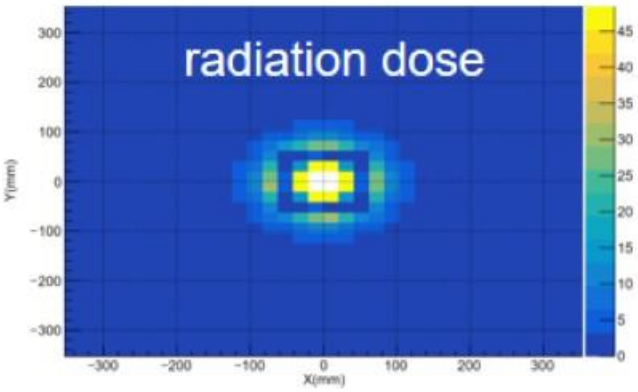
He pipe GEM Background Rate in each strips[DID==1]



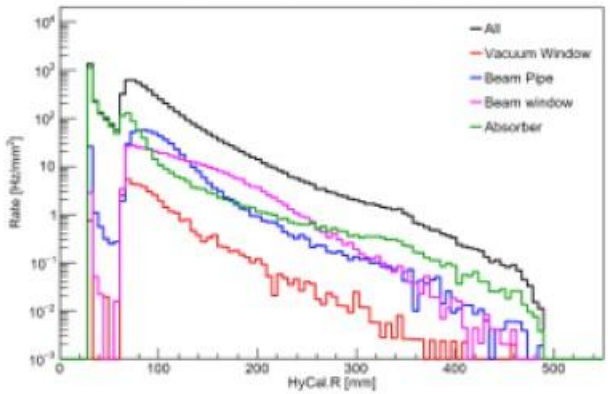
He pipe GEM Background Rate in each strips[DID==1]



2.2GeV at 50nA Ta_e-(rad/hour)_ He pipe

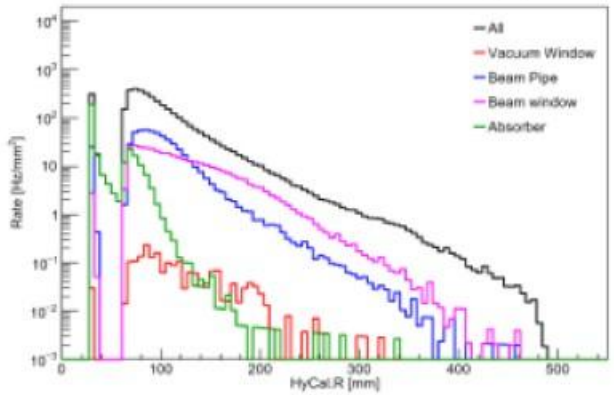


HyCal background Rate[He pipe]



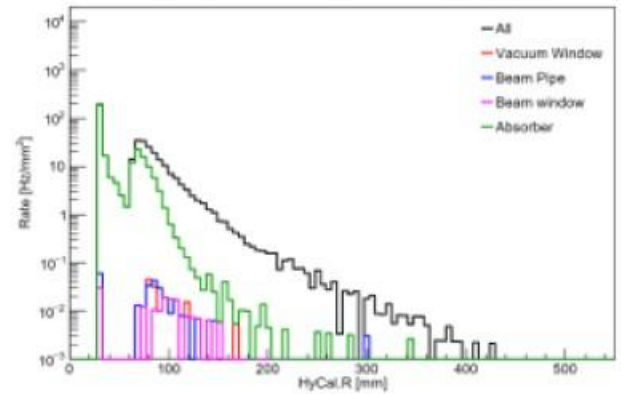
All	Total Rate = 1.827e+07 Hz
Vacuum Window	Total Rate = 1.197e+05 Hz
Beam Pipe	Total Rate = 1.800e+06 Hz
Beam window	Total Rate = 1.488e+06 Hz
Absorber	Total Rate = 3.611e+06 Hz

HyCal electron background Rate[He pipe]



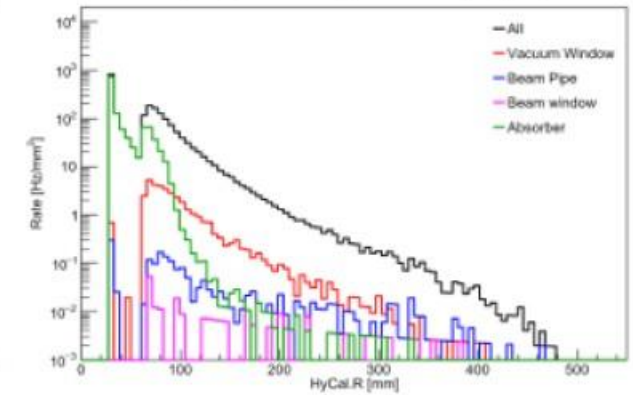
All	Total Rate = 1.141e+07 Hz
Vacuum Window	Total Rate = 7.469e+03 Hz
Beam Pipe	Total Rate = 1.745e+06 Hz
Beam window	Total Rate = 1.482e+06 Hz
Absorber	Total Rate = 4.367e+05 Hz

HyCal positron background Rate[He pipe]



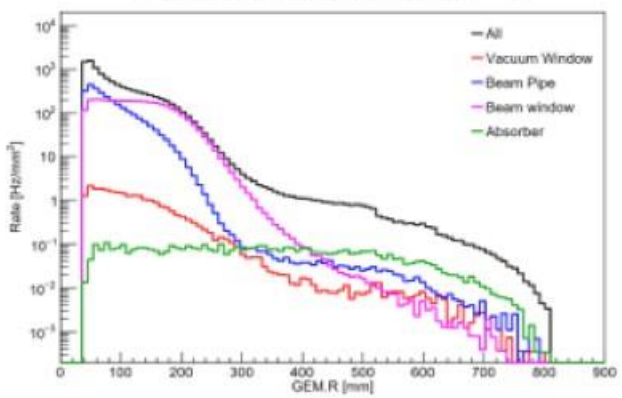
All	Total Rate = 7.899e+05 Hz
Vacuum Window	Total Rate = 5.938e+02 Hz
Beam Pipe	Total Rate = 8.125e+02 Hz
Beam window	Total Rate = 4.688e+02 Hz
Absorber	Total Rate = 4.218e+05 Hz

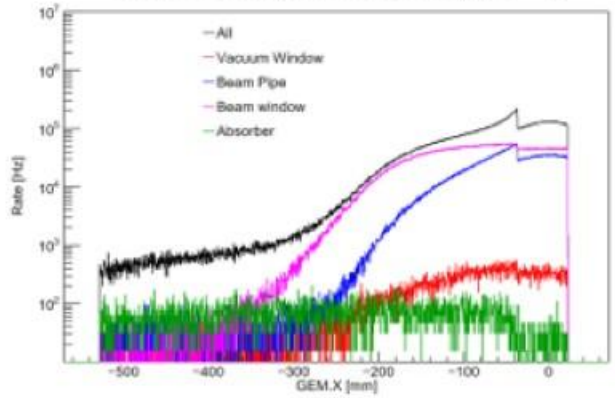
HyCal photon background Rate[He pipe]

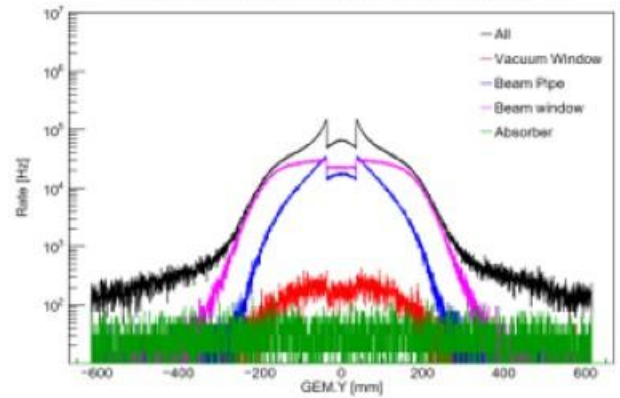


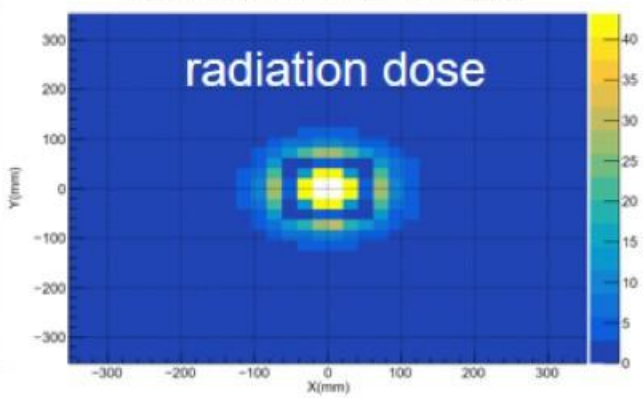
All	Total Rate = 4.324e+06 Hz
Vacuum Window	Total Rate = 1.115e+05 Hz
Beam Pipe	Total Rate = 7.156e+03 Hz
Beam window	Total Rate = 1.062e+03 Hz
Absorber	Total Rate = 1.655e+06 Hz

2.2 GeV, 25 nA, 2 μm, new absorber

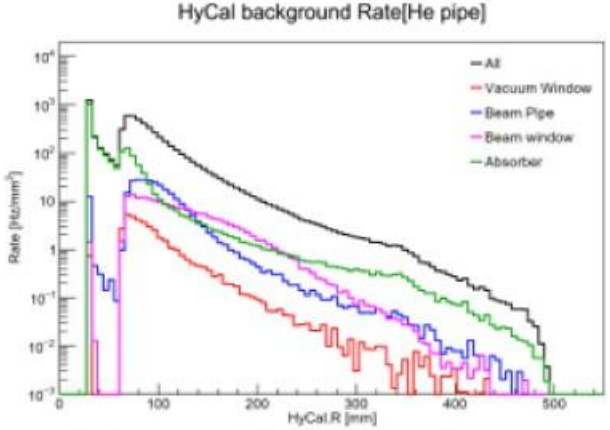




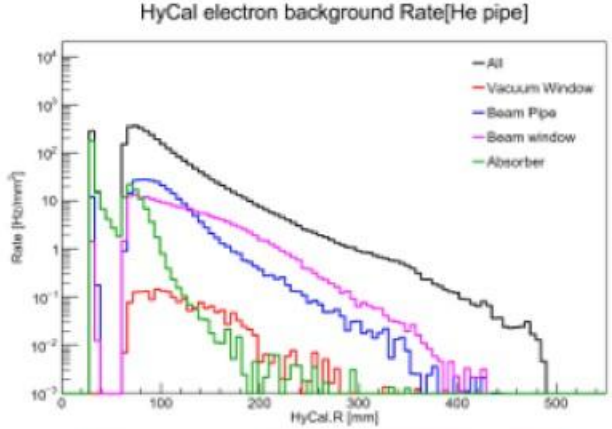




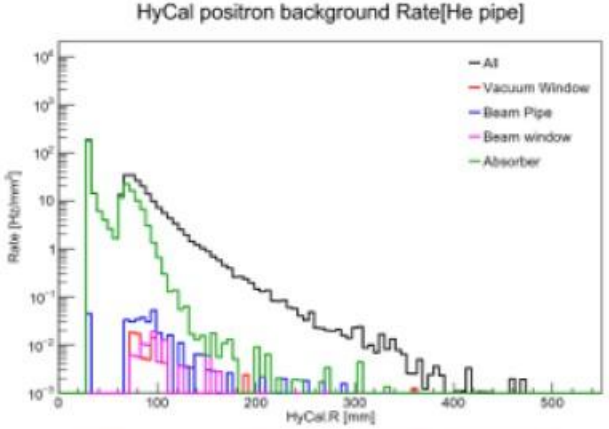
All	Total Rate = 5.064e+07 Hz
Vacuum Window	Total Rate = 1.779e+05 Hz
Beam Pipe	Total Rate = 1.228e+07 Hz
Beam window	Total Rate = 2.455e+07 Hz
Absorber	Total Rate = 8.759e+04 Hz



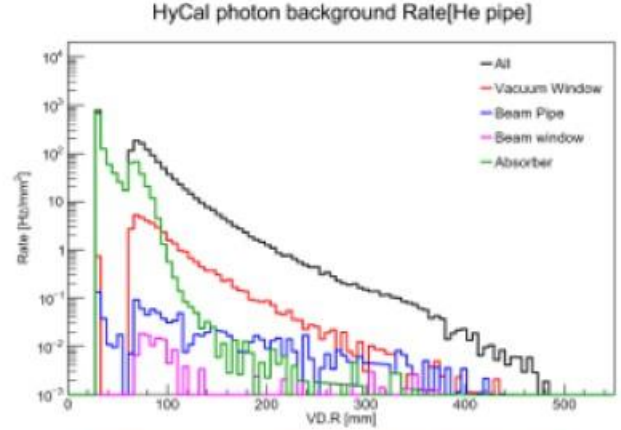
All	Total Rate = 1.638e+07 Hz
Vacuum Window	Total Rate = 1.206e+05 Hz
Beam Pipe	Total Rate = 9.045e+05 Hz
Beam window	Total Rate = 7.452e+05 Hz
Absorber	Total Rate = 3.500e+06 Hz



All	Total Rate = 9.822e+06 Hz
Vacuum Window	Total Rate = 7.797e+03 Hz
Beam Pipe	Total Rate = 8.763e+05 Hz
Beam window	Total Rate = 7.422e+05 Hz
Absorber	Total Rate = 4.268e+05 Hz



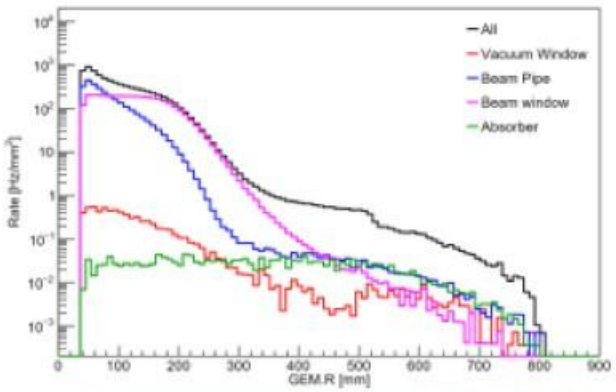
All	Total Rate = 7.786e+05 Hz
Vacuum Window	Total Rate = 4.062e+02 Hz
Beam Pipe	Total Rate = 1.094e+03 Hz
Beam window	Total Rate = 2.969e+02 Hz
Absorber	Total Rate = 4.079e+05 Hz



All	Total Rate = 4.113e+06 Hz
Vacuum Window	Total Rate = 1.121e+05 Hz
Beam Pipe	Total Rate = 4.766e+03 Hz
Beam window	Total Rate = 6.094e+02 Hz
Absorber	Total Rate = 1.589e+06 Hz

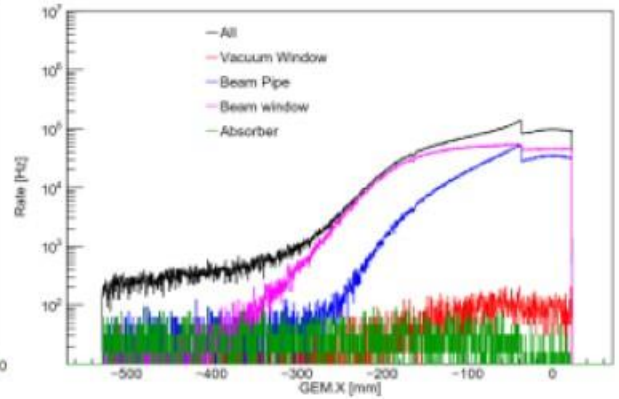
4.4 GeV, 25 nA, 2 μm, new absorber

He pipe GEM Background Rate[DID==1]

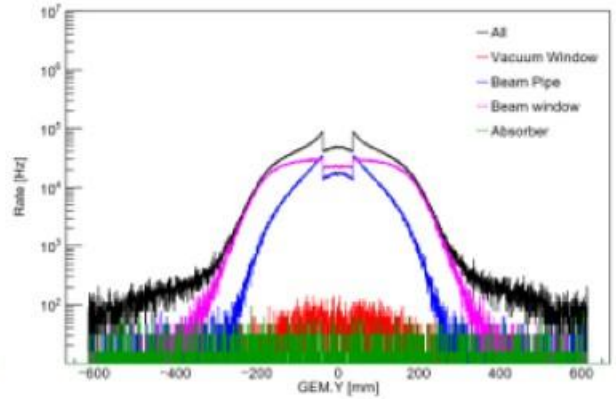


All	Total Rate = 4.176e+07 Hz
Vacuum Window	Total Rate = 4.964e+04 Hz
Beam Pipe	Total Rate = 1.217e+07 Hz
Beam window	Total Rate = 2.455e+07 Hz
Absorber	Total Rate = 3.422e+04 Hz

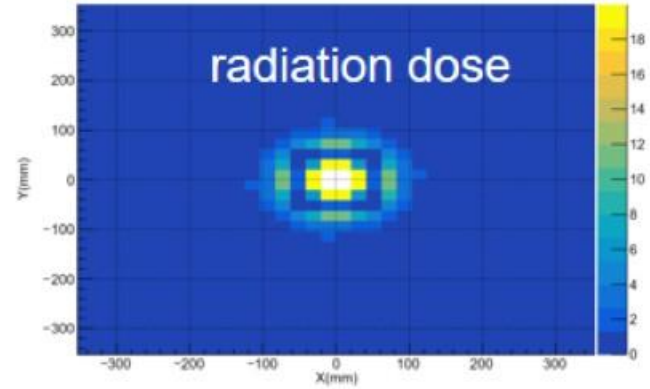
He pipe GEM Background Rate in each strips[DID==1]



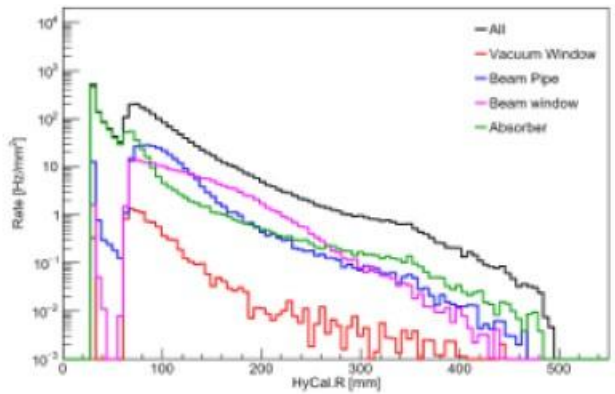
He pipe GEM Background Rate in each strips[DID==1]



4.4GeV at 25nA Ta_e-(rad/hour)_ He pipe

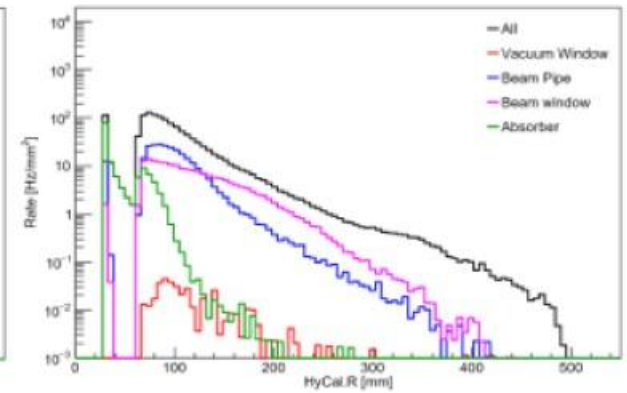


HyCal background Rate[He pipe]



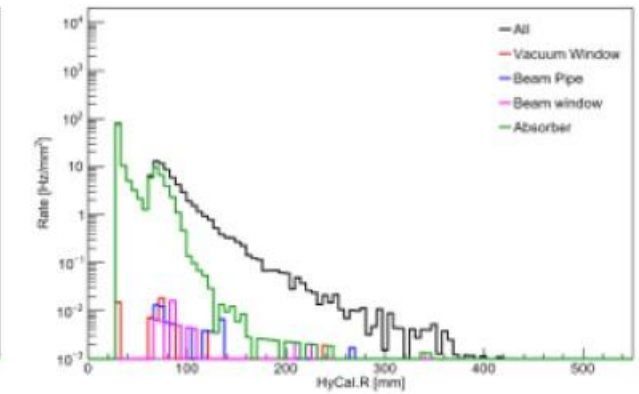
All	Total Rate = 6.538e+06 Hz
Vacuum Window	Total Rate = 2.734e+04 Hz
Beam Pipe	Total Rate = 9.268e+05 Hz
Beam window	Total Rate = 7.697e+05 Hz
Absorber	Total Rate = 1.676e+06 Hz

HyCal electron background Rate[He pipe]



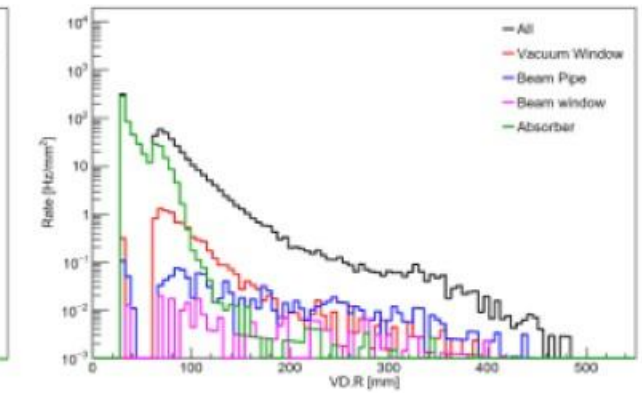
All	Total Rate = 3.988e+06 Hz
Vacuum Window	Total Rate = 1.547e+03 Hz
Beam Pipe	Total Rate = 8.893e+05 Hz
Beam window	Total Rate = 7.640e+05 Hz
Absorber	Total Rate = 1.992e+05 Hz

HyCal positron background Rate[He pipe]



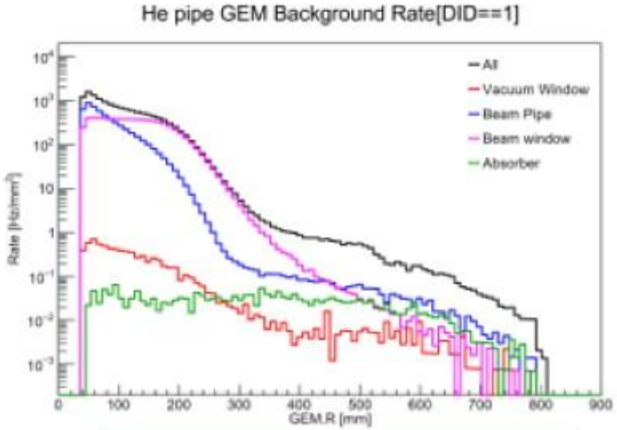
All	Total Rate = 2.940e+05 Hz
Vacuum Window	Total Rate = 1.719e+02 Hz
Beam Pipe	Total Rate = 2.188e+02 Hz
Beam window	Total Rate = 1.562e+02 Hz
Absorber	Total Rate = 1.882e+05 Hz

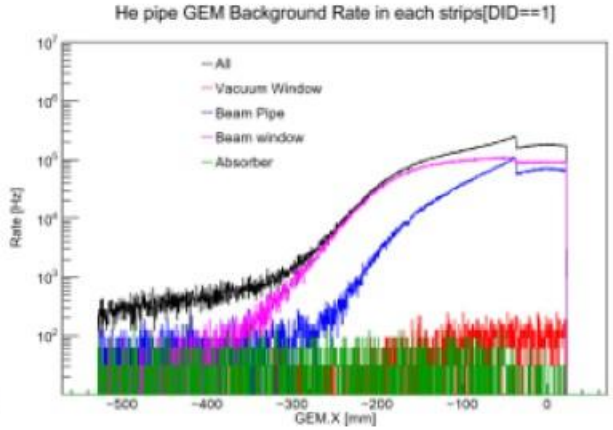
HyCal photon background Rate[He pipe]

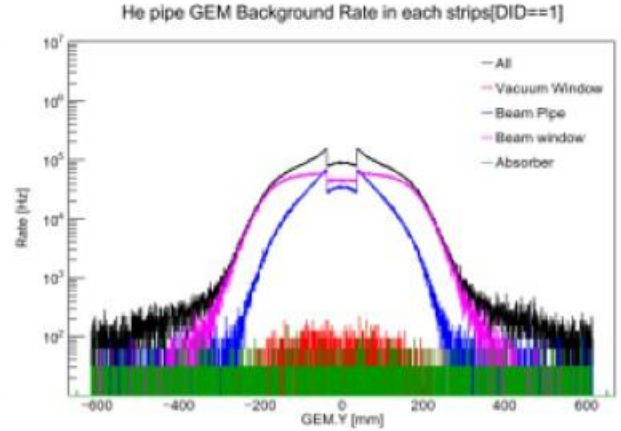


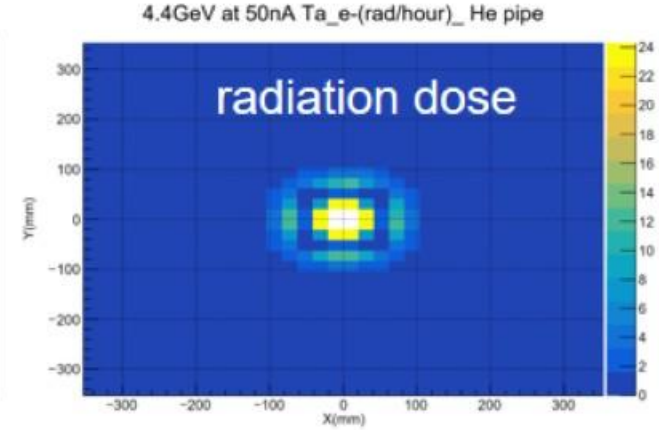
All	Total Rate = 1.479e+06 Hz
Vacuum Window	Total Rate = 2.547e+04 Hz
Beam Pipe	Total Rate = 5.969e+03 Hz
Beam window	Total Rate = 1.172e+03 Hz
Absorber	Total Rate = 7.848e+05 Hz

4.4 GeV, 50 nA, 1 μm, new absorber

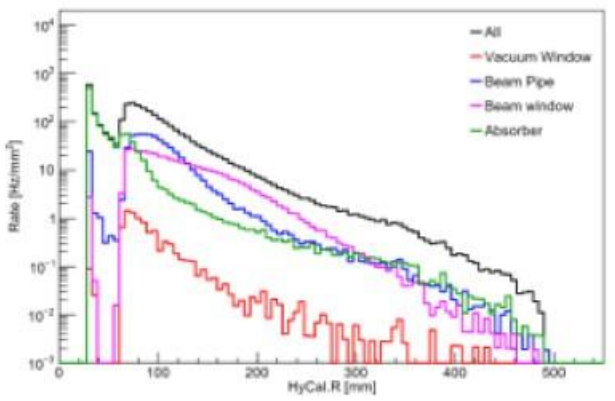


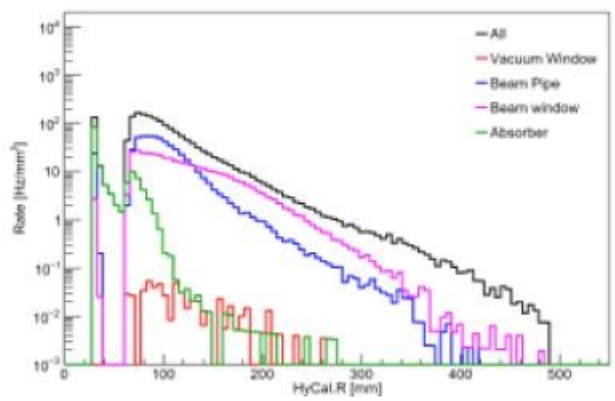


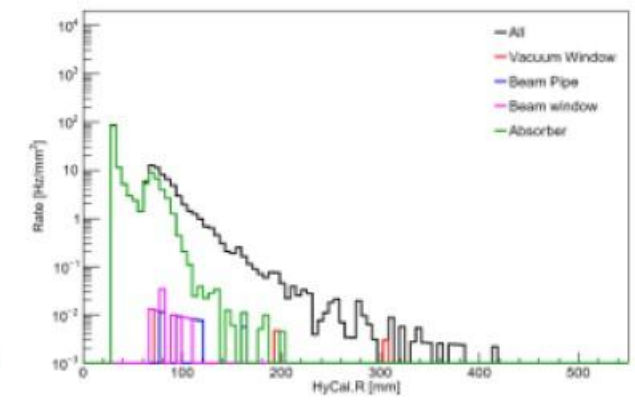


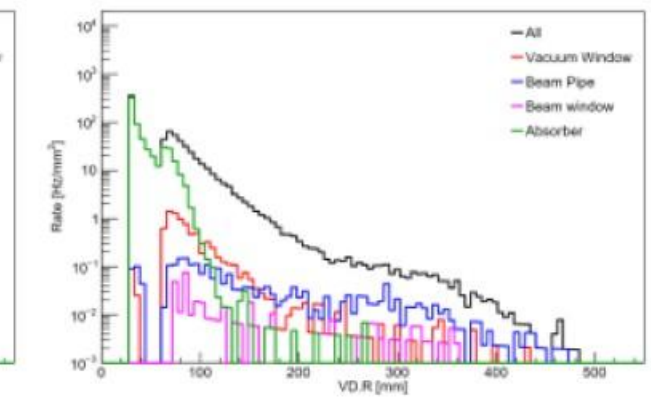


All	Total Rate = 7.985e+07 Hz
Vacuum Window	Total Rate = 5.069e+04 Hz
Beam Pipe	Total Rate = 2.432e+07 Hz
Beam window	Total Rate = 4.908e+07 Hz
Absorber	Total Rate = 3.597e+04 Hz









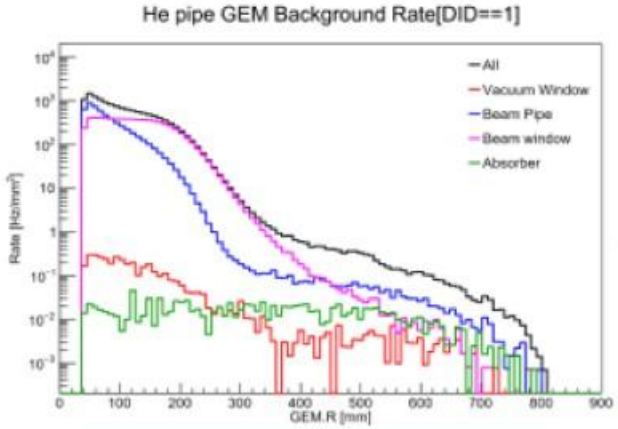
All	Total Rate = 8.429e+06 Hz
Vacuum Window	Total Rate = 2.688e+04 Hz
Beam Pipe	Total Rate = 1.827e+06 Hz
Beam window	Total Rate = 1.534e+06 Hz
Absorber	Total Rate = 1.758e+06 Hz

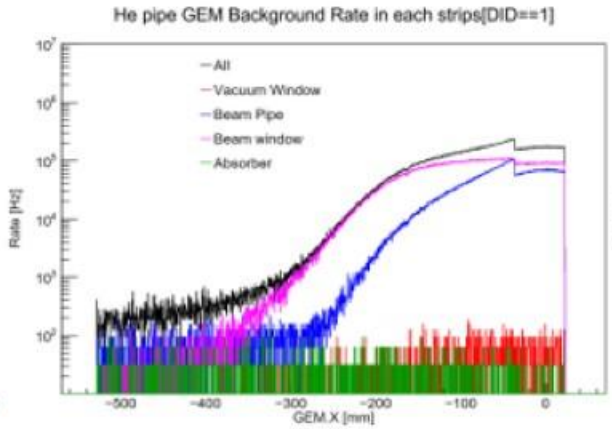
All	Total Rate = 5.576e+06 Hz
Vacuum Window	Total Rate = 2.156e+03 Hz
Beam Pipe	Total Rate = 1.752e+06 Hz
Beam window	Total Rate = 1.525e+06 Hz
Absorber	Total Rate = 2.070e+05 Hz

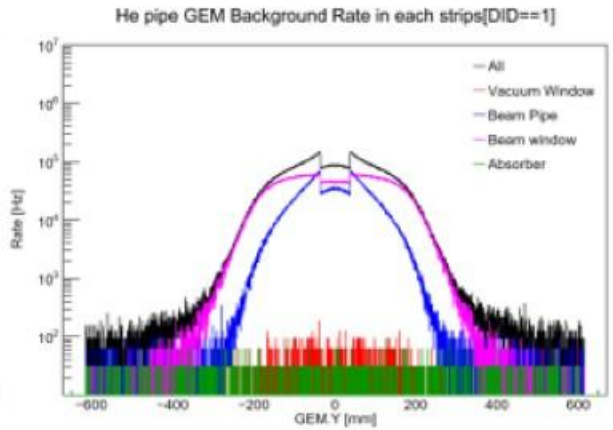
All	Total Rate = 3.018e+05 Hz
Vacuum Window	Total Rate = 1.250e+02 Hz
Beam Pipe	Total Rate = 1.562e+02 Hz
Beam window	Total Rate = 2.500e+02 Hz
Absorber	Total Rate = 1.969e+05 Hz

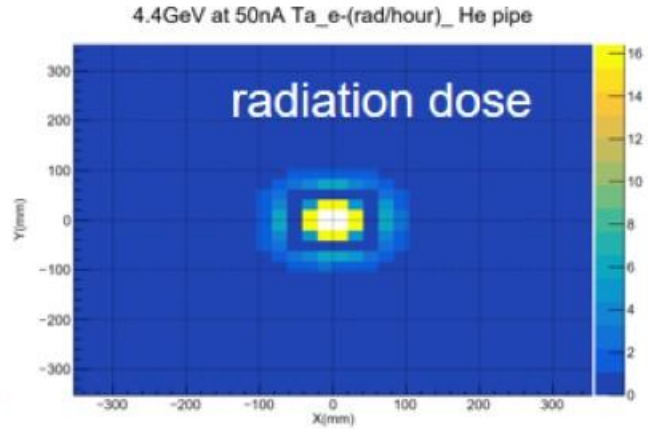
All	Total Rate = 1.677e+06 Hz
Vacuum Window	Total Rate = 2.441e+04 Hz
Beam Pipe	Total Rate = 1.150e+04 Hz
Beam window	Total Rate = 1.781e+03 Hz
Absorber	Total Rate = 8.404e+05 Hz

4.4 GeV, 50 nA, 0.5 μm, new absorber

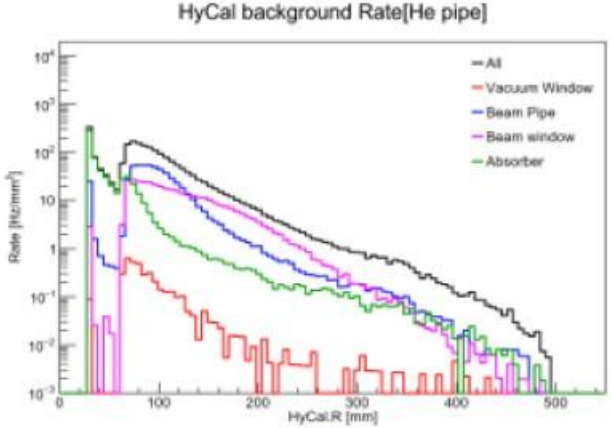


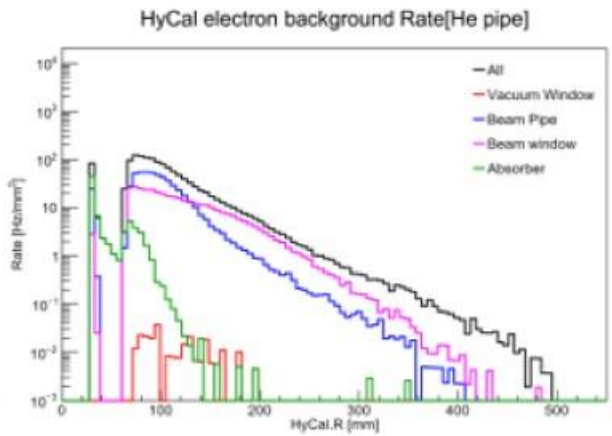


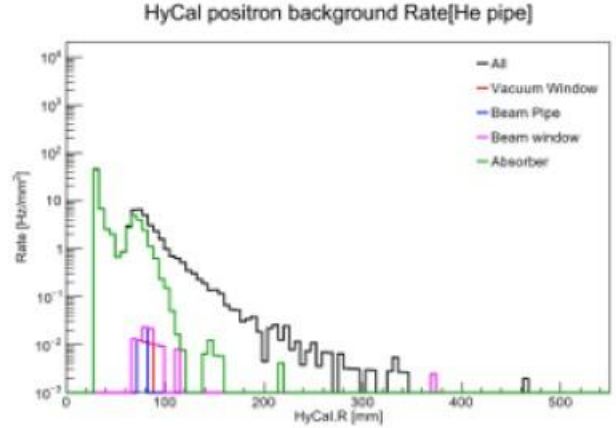


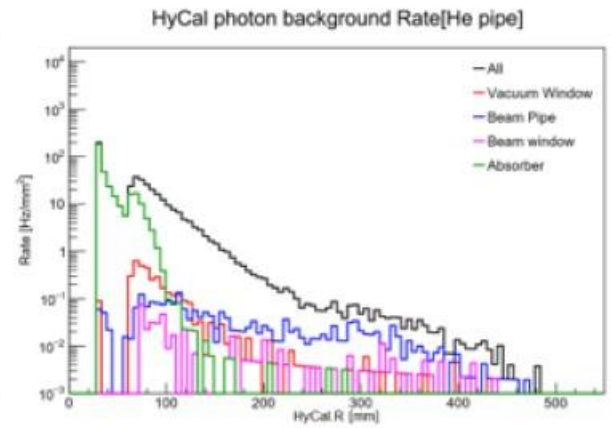


All	Total Rate = 7.816e+07 Hz
Vacuum Window	Total Rate = 2.728e+04 Hz
Beam Pipe	Total Rate = 2.431e+07 Hz
Beam window	Total Rate = 4.913e+07 Hz
Absorber	Total Rate = 1.978e+04 Hz









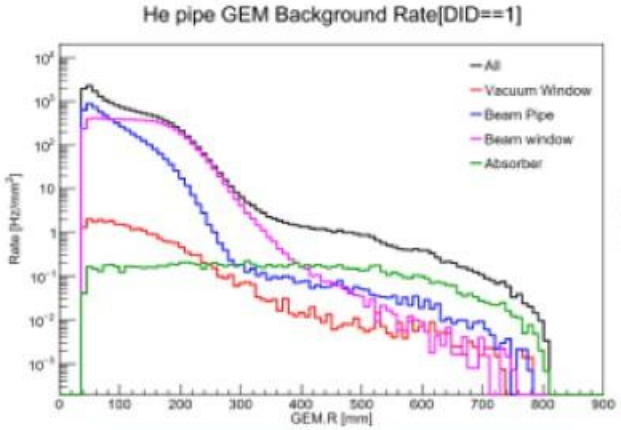
All	Total Rate = 6.201e+06 Hz
Vacuum Window	Total Rate = 1.219e+04 Hz
Beam Pipe	Total Rate = 1.850e+06 Hz
Beam window	Total Rate = 1.533e+06 Hz
Absorber	Total Rate = 9.622e+05 Hz

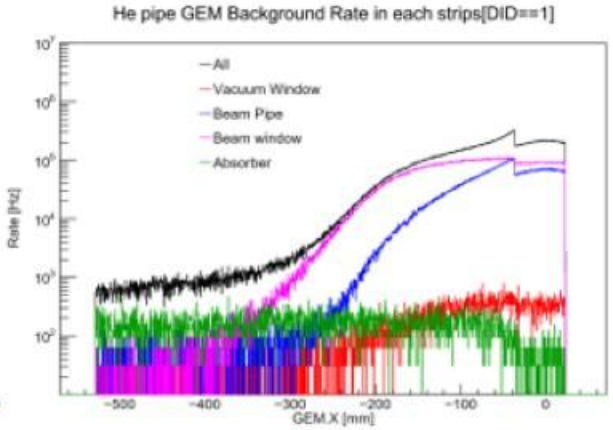
All	Total Rate = 4.473e+06 Hz
Vacuum Window	Total Rate = 9.375e+02 Hz
Beam Pipe	Total Rate = 1.773e+06 Hz
Beam window	Total Rate = 1.523e+06 Hz
Absorber	Total Rate = 1.125e+05 Hz

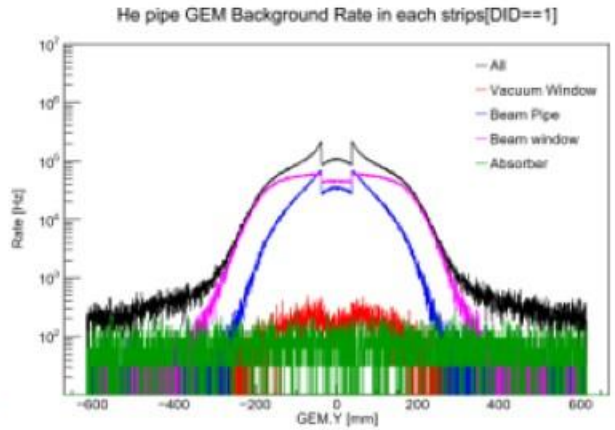
All	Total Rate = 1.608e+05 Hz
Vacuum Window	Total Rate = 9.375e+01 Hz
Beam Pipe	Total Rate = 9.375e+01 Hz
Beam window	Total Rate = 3.125e+02 Hz
Absorber	Total Rate = 1.059e+05 Hz

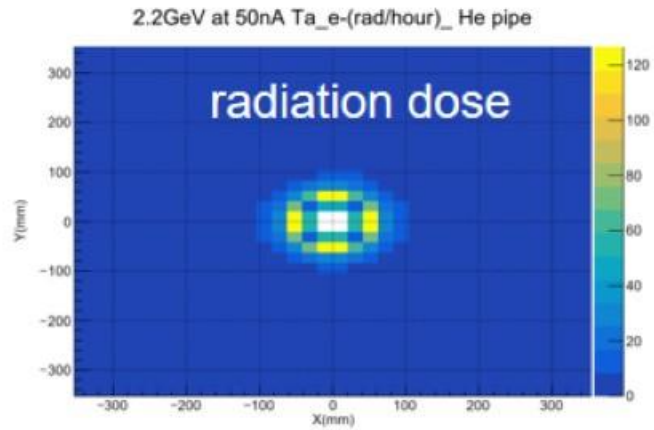
All	Total Rate = 1.029e+06 Hz
Vacuum Window	Total Rate = 1.100e+04 Hz
Beam Pipe	Total Rate = 1.144e+04 Hz
Beam window	Total Rate = 2.094e+03 Hz
Absorber	Total Rate = 4.665e+05 Hz

2.2 GeV, 50 nA, 1.0 μm, old absorber

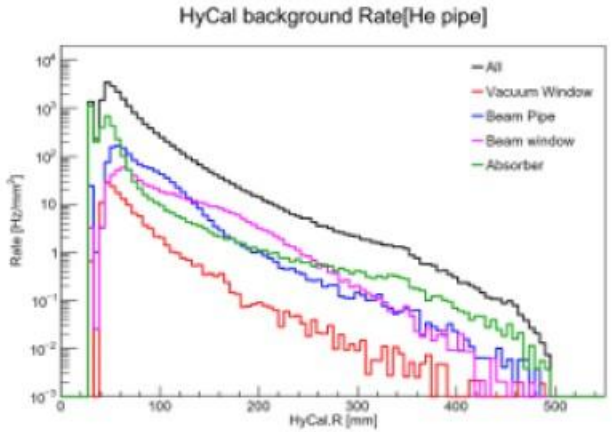


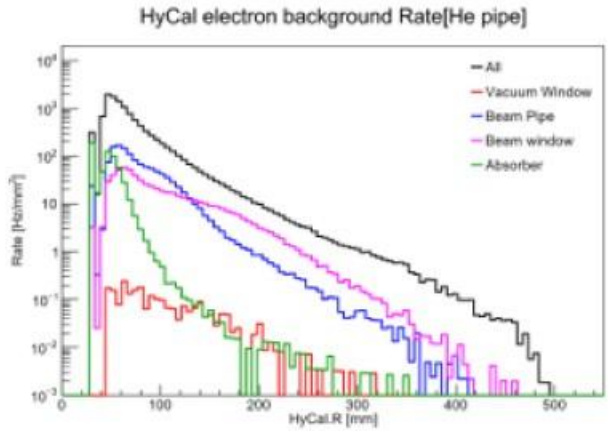


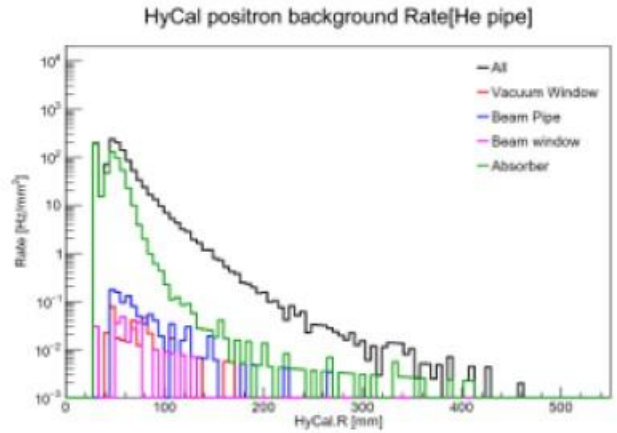


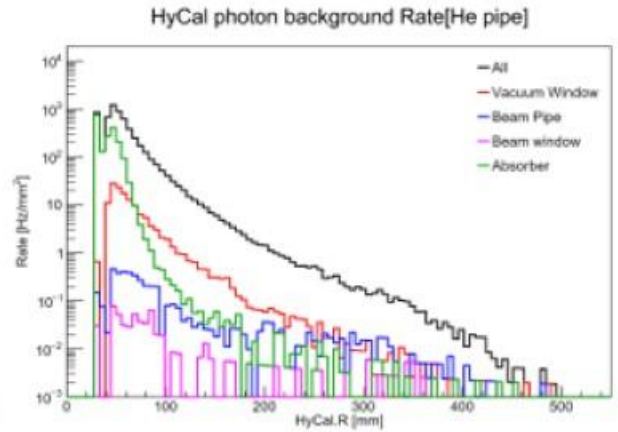


All	Total Rate = 8.883e+07 Hz
Vacuum Window	Total Rate = 1.798e+05 Hz
Beam Pipe	Total Rate = 2.440e+07 Hz
Beam window	Total Rate = 4.903e+07 Hz
Absorber	Total Rate = 2.101e+05 Hz









All	Total Rate = 3.985e+07 Hz
Vacuum Window	Total Rate = 3.817e+05 Hz
Beam Pipe	Total Rate = 3.198e+06 Hz
Beam window	Total Rate = 1.951e+06 Hz
Absorber	Total Rate = 5.388e+06 Hz

All	Total Rate = 2.503e+07 Hz
Vacuum Window	Total Rate = 8.188e+03 Hz
Beam Pipe	Total Rate = 3.132e+06 Hz
Beam window	Total Rate = 1.944e+06 Hz
Absorber	Total Rate = 9.125e+05 Hz

All	Total Rate = 2.054e+06 Hz
Vacuum Window	Total Rate = 8.438e+02 Hz
Beam Pipe	Total Rate = 2.438e+03 Hz
Beam window	Total Rate = 5.312e+02 Hz
Absorber	Total Rate = 8.613e+05 Hz

All	Total Rate = 1.056e+07 Hz
Vacuum Window	Total Rate = 2.922e+05 Hz
Beam Pipe	Total Rate = 1.356e+04 Hz
Beam window	Total Rate = 1.781e+03 Hz
Absorber	Total Rate = 2.656e+06 Hz