

Figure 1: CTOF rates for particles depositing more than 5 MeV of energy in the bars (top) and PMT currents for all events (bottom) at $\mathcal{L} = 1 \times 10^{35} \text{ cm}^{-2}\text{s}^{-1}$ for $E_b=10.6 \text{ GeV}$, Torus: 100%, Solenoid: 100%, Neg. Inbending. (GEMC 4a.2.1/COATJAVA 4a.8.2)

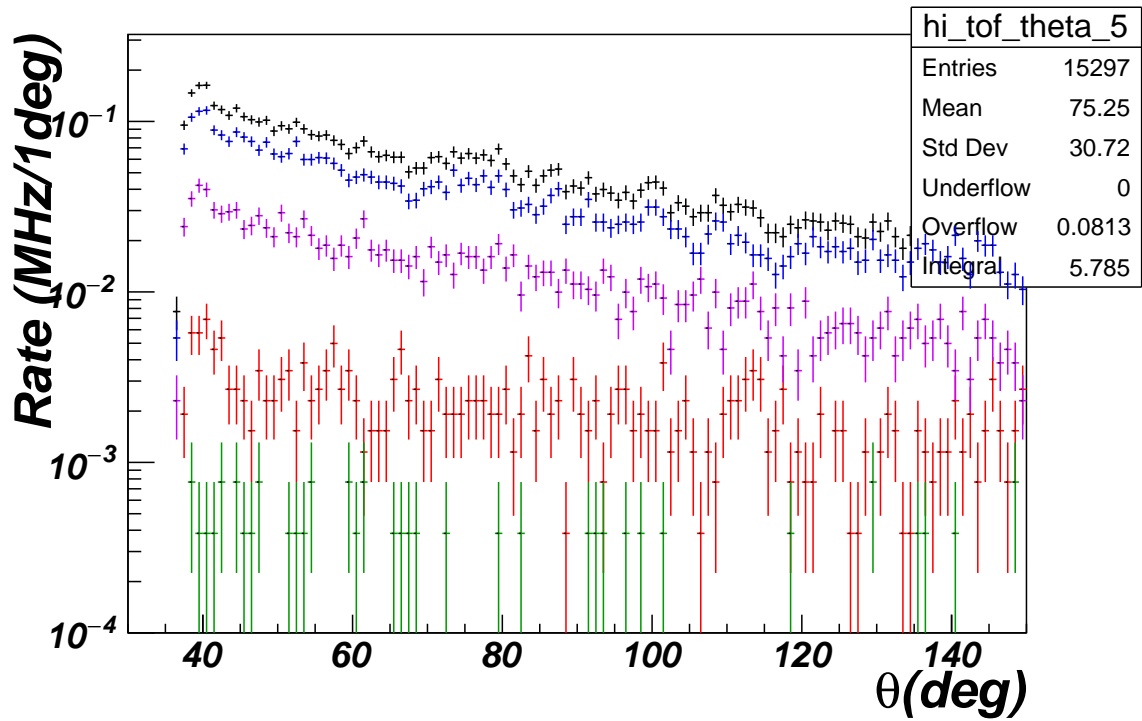


Figure 2: CTOF rates for particles depositing more than 5 MeV of energy in the bars as a function of polar angle at $\mathcal{L} = 1 \times 10^{35} \text{ cm}^{-2}\text{s}^{-1}$ for $E_b=10.6 \text{ GeV}$, Torus: 100%, Solenoid: 100%, Neg. Inbending. (GEMC 4a.2.1/COATJAVA 4a.8.2)

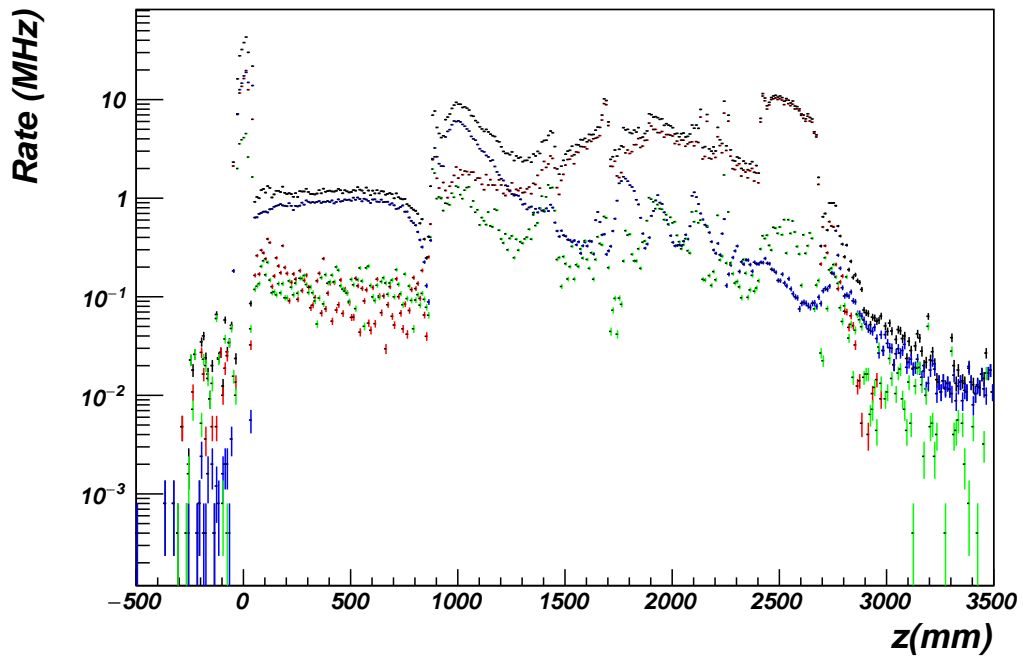
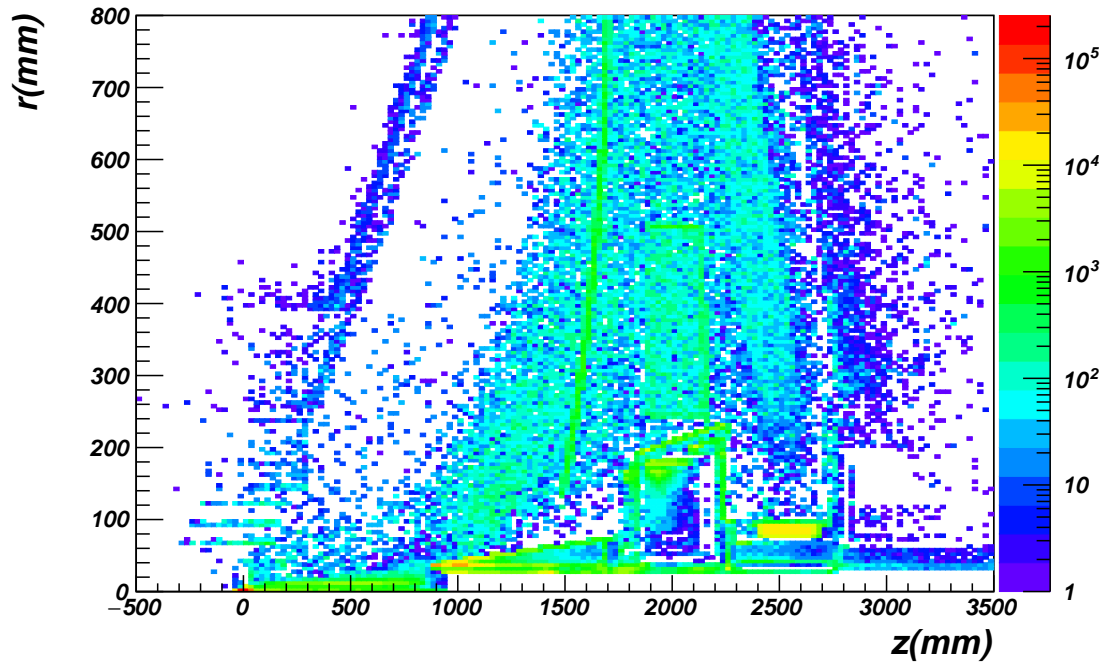


Figure 3: (Top) Source of hits in (r, z) that lead to hits in DC R1 and (bottom) rates in DC R1 as a function of their origin along the electron beamline at $\mathcal{L} = 1 \times 10^{35} \text{ cm}^{-2}\text{s}^{-1}$ for $E_b=10.6 \text{ GeV}$, Torus: 100%, Solenoid: 100%, Neg. Inbending. (GEMC 4a.2.1/COATJAVA 4a.8.2)

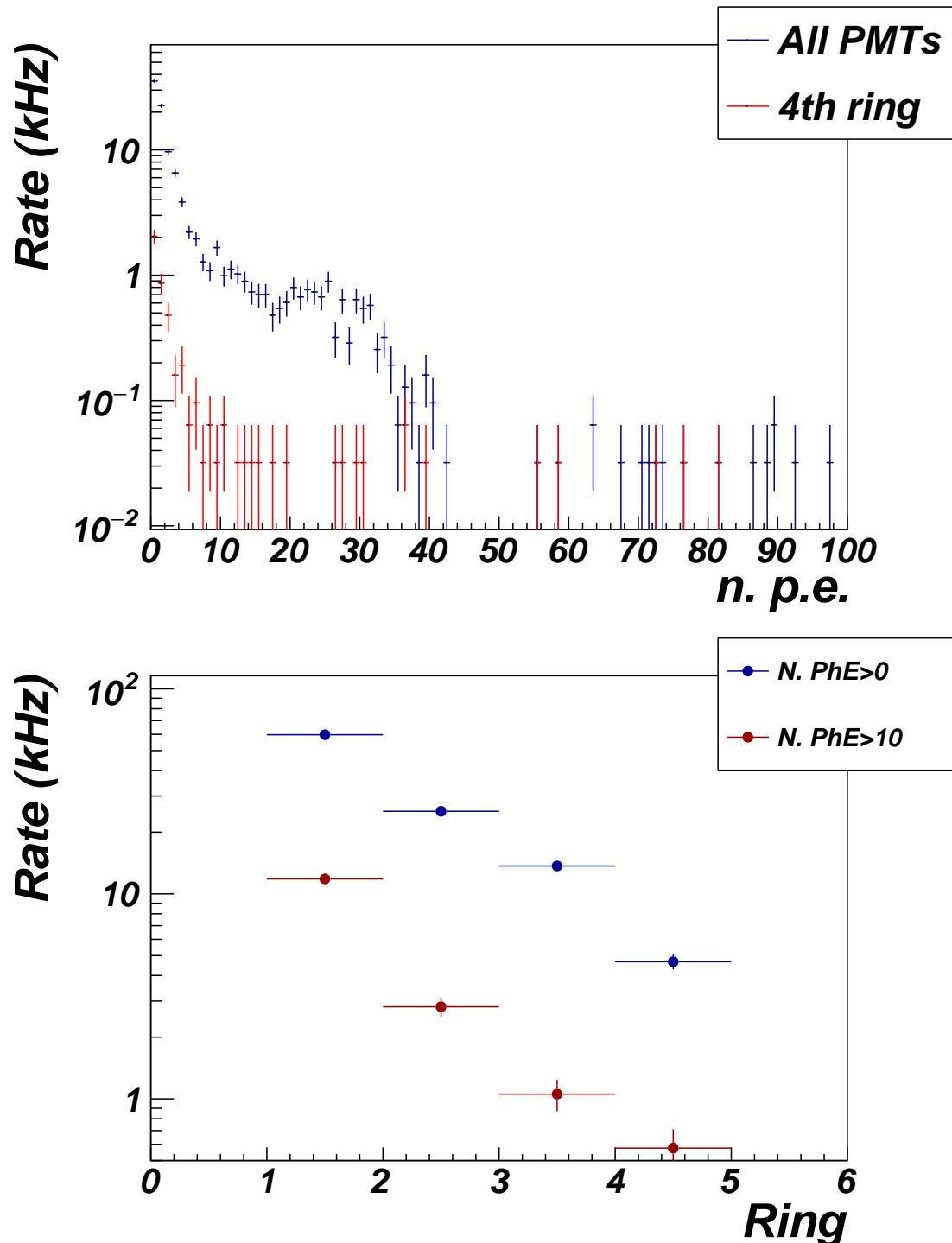


Figure 4: (Top) HTCC rates vs. the number of photoelectrons for all PMTs and for PMTs in the fourth (largest angle) PMT ring and (bottom) HTCC rate vs. PMT ring number at $\mathcal{L} = 1 \times 10^{35} \text{ cm}^{-2}\text{s}^{-1}$ for $E_b=10.6 \text{ GeV}$, Torus: 100%, Solenoid: 100%, Neg. Inbending. (GEMC 4a.2.1/COATJAVA 4a.8.2)

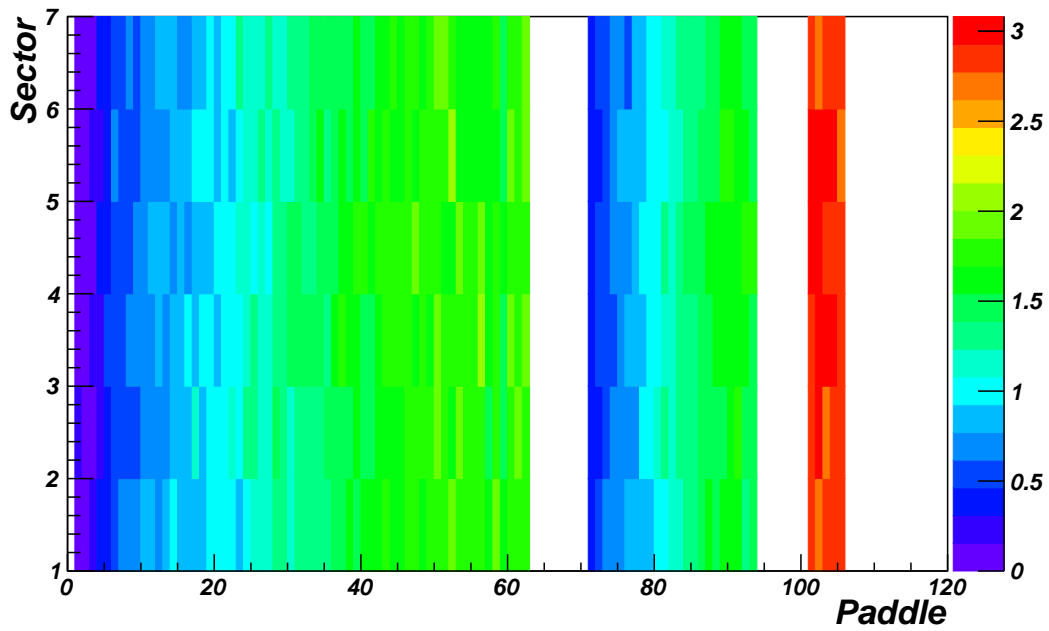
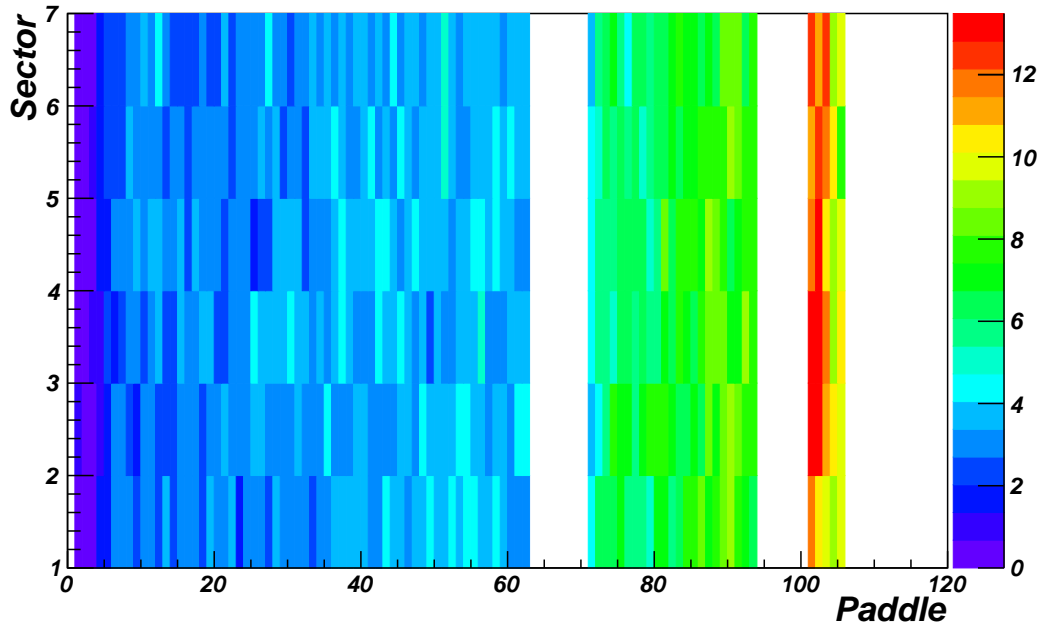


Figure 5: FTOF rates for particles depositing more than 5 MeV of energy in the bars (top) and PMT currents for all events (bottom) at $\mathcal{L} = 1 \times 10^{35} \text{ cm}^{-2}\text{s}^{-1}$ for $E_b=10.6 \text{ GeV}$, Torus: 100%, Solenoid: 100%, Neg. Inbending. (GEMC 4a.2.1/COATJAVA 4a.8.2)