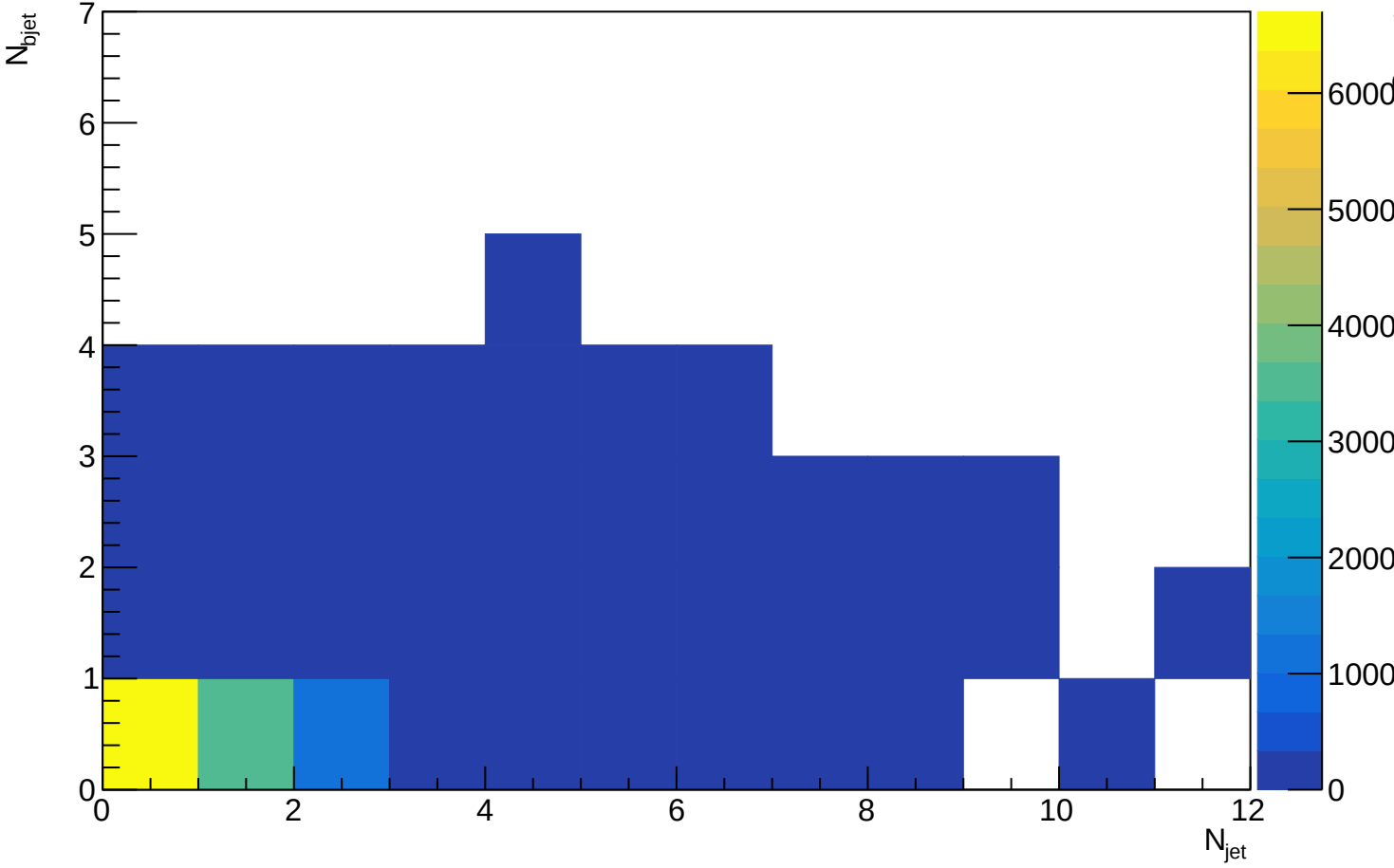Initial $N_b x N_J$ Distribution