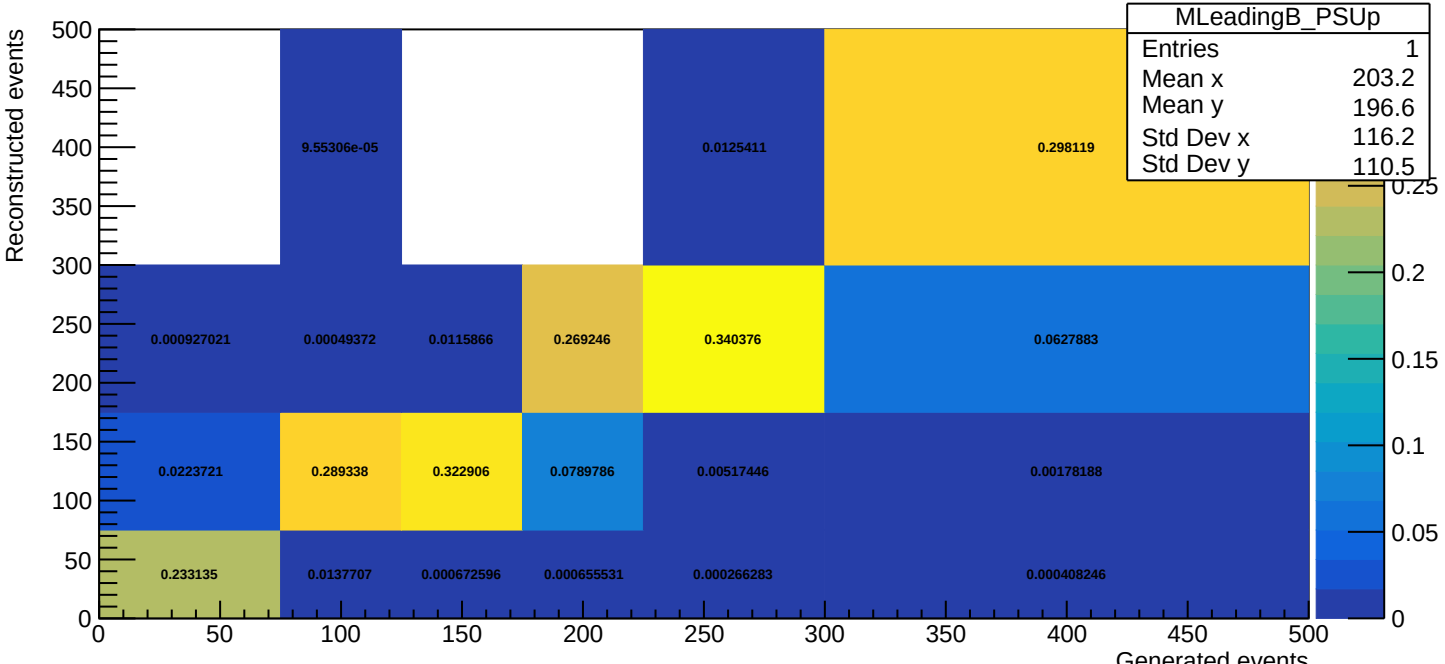Response matrix - M_LeadingBPSUp