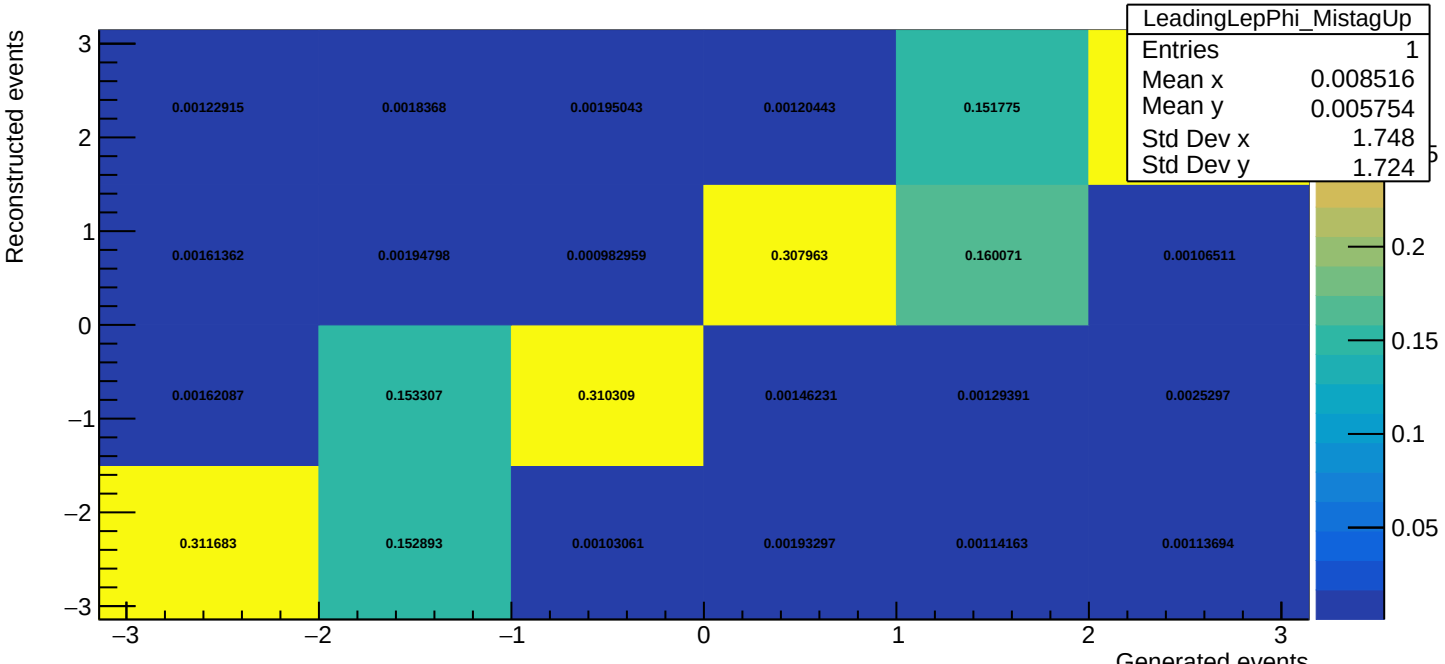Response matrix - LeadingLepPhiMistagUp