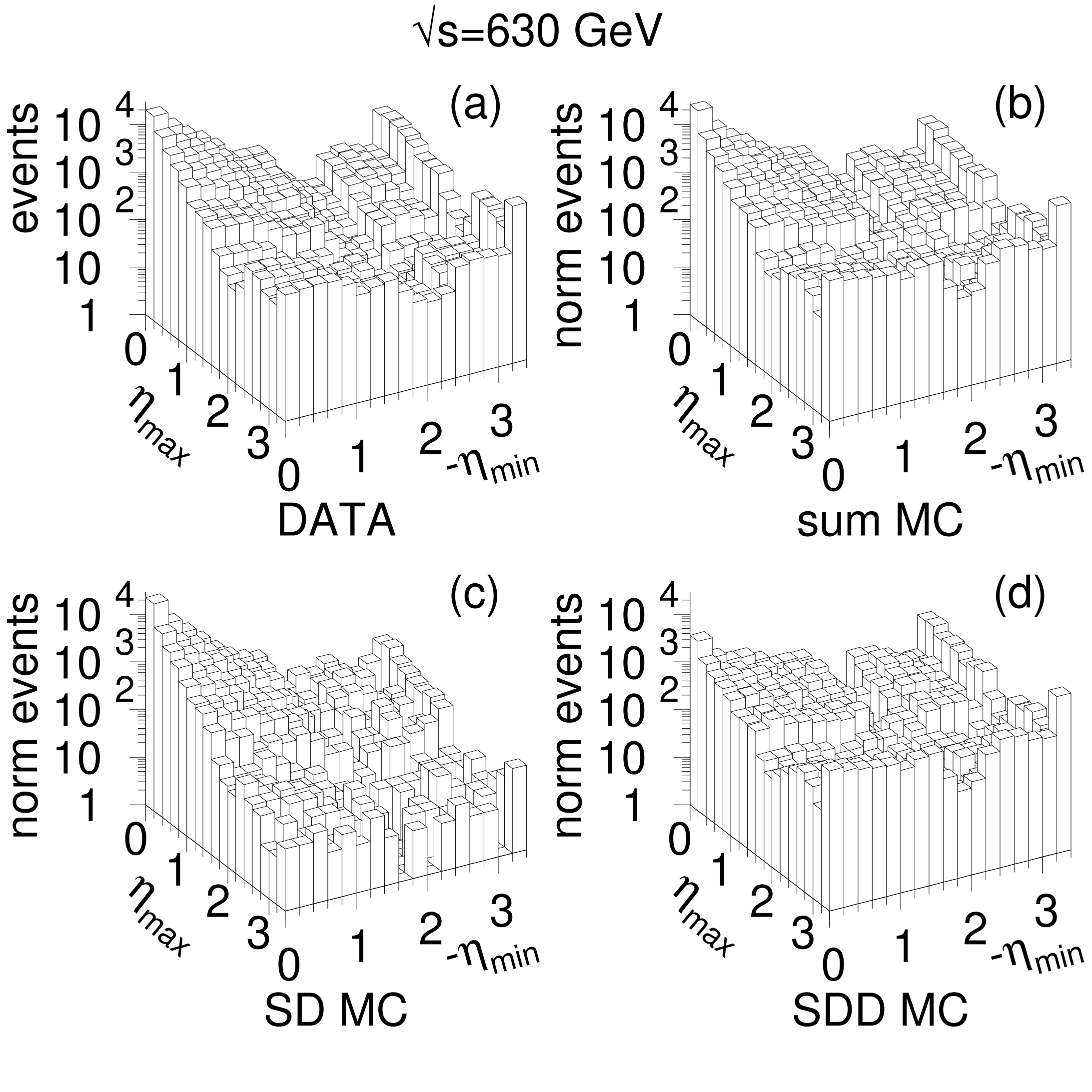
CDF Preliminary



The number of events as a function of η_{max} and $-\eta_{min}$, the η of the track or hit tower closest to $\eta = 0$ in the (anti)proton direction at $\sqrt{s} = 630$ GeV: (a) data; (b) Monte Carlo simulation; (c,d) the individual contributions of MC generated single-diffractive (SD) and SDD (SD+gap) events. The MC distributions are normalized by a two-component fit to the data.