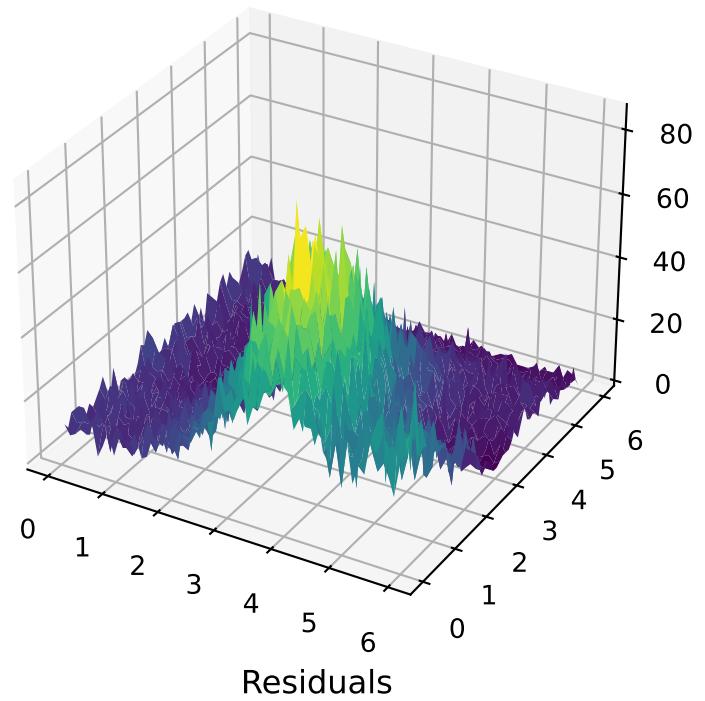
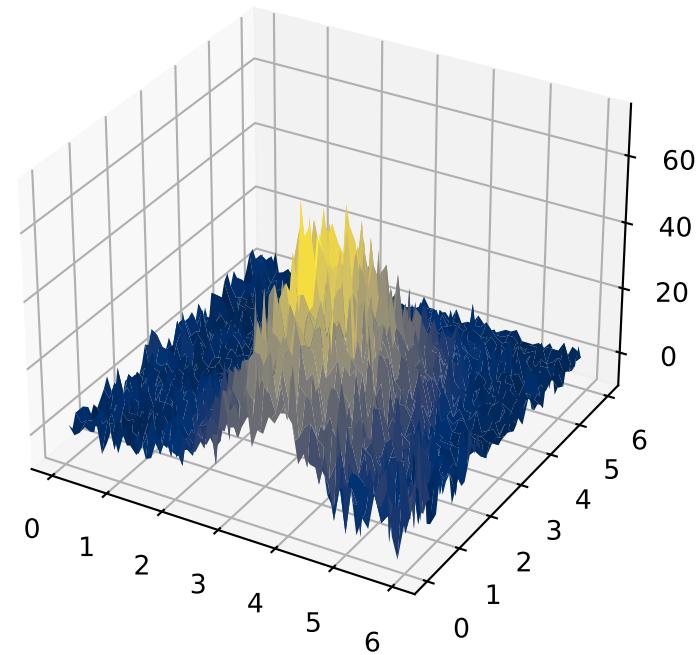
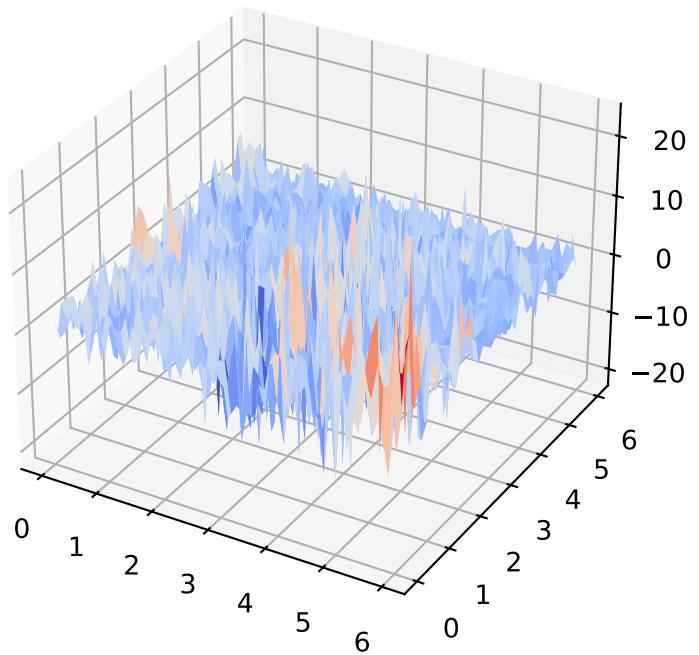
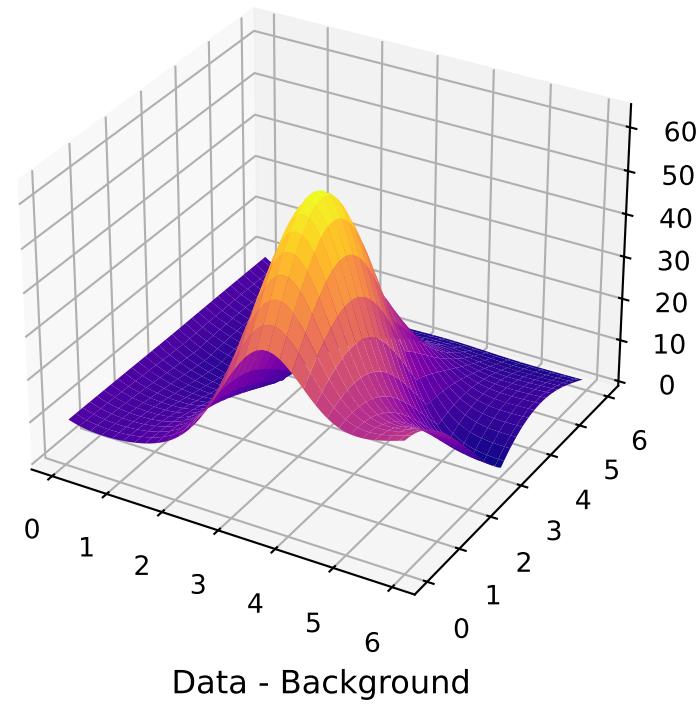


Data Histogram



Fit Result



2D Fit Results Summary

p0 (amp) = 54.170 ± 0.576

p1 (mean x) = 3.517 ± 0.006

p2 (sigma x) = 0.700 ± 0.005

p3 (mean y) = 1.899 ± 0.016

p4 (sigma y) = 1.381 ± 0.014

bn (bkg norm) = 0.243 ± 0.002

$\chi^2 = 4269.1$, dof = 3594, p-value = 0.000

Total signal events $\approx 30060.0 \pm 319.4$

The signal events and error are given above, the number of signal events is obtained from summing over the bins. The error is obtained using the parameter p0 where we take p0 to be the value and sigmap0 to be the error, then the error on number of events is number of events $\times (\text{sigmap0}/\text{p0})$