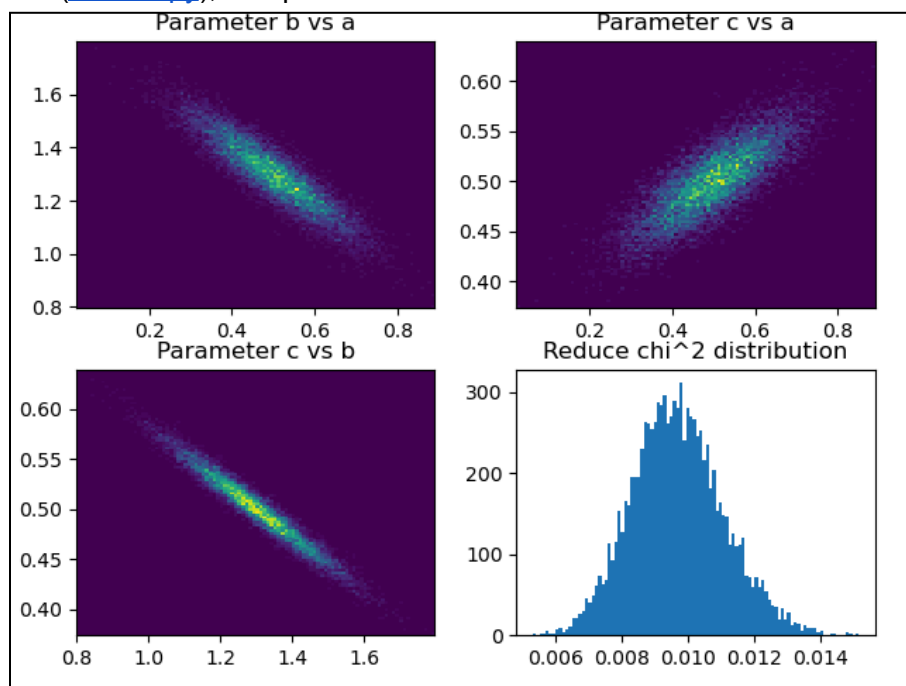
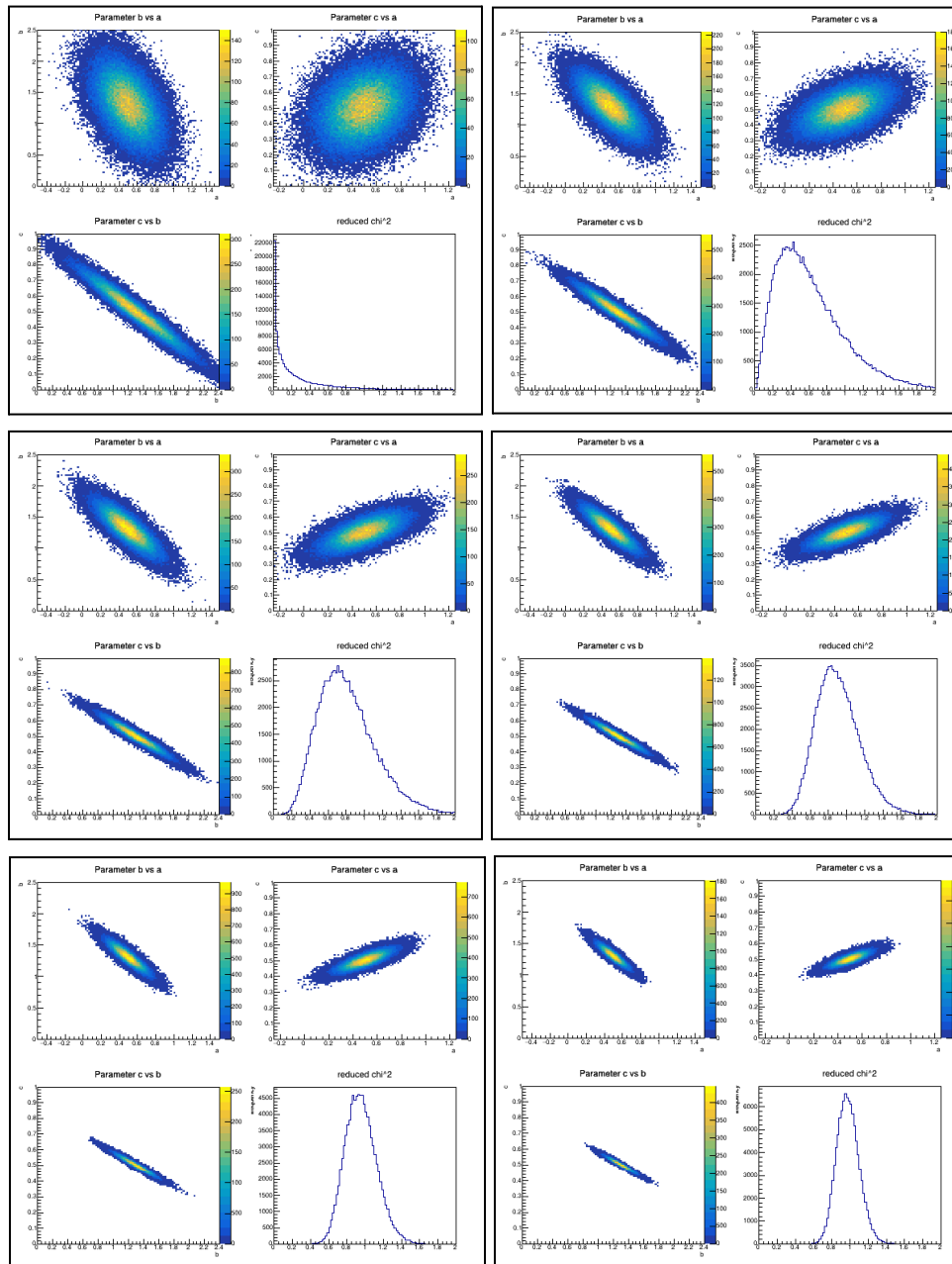


Fits ([LSQFit.py](#)), 100 pts:



I have defined the reduced chi-2 as the regular chi-2, divided by the total number of events.

Fits, (LSQFit.cpp): (4, 8, 16, 32, 64, 128 points,  $10^5$  trials each)



As you can see, as  $\text{pts} > 1$ , the mean value for the  $\chi^2$  approaches  $N$ , with  $N$  being the number of points.