

Update

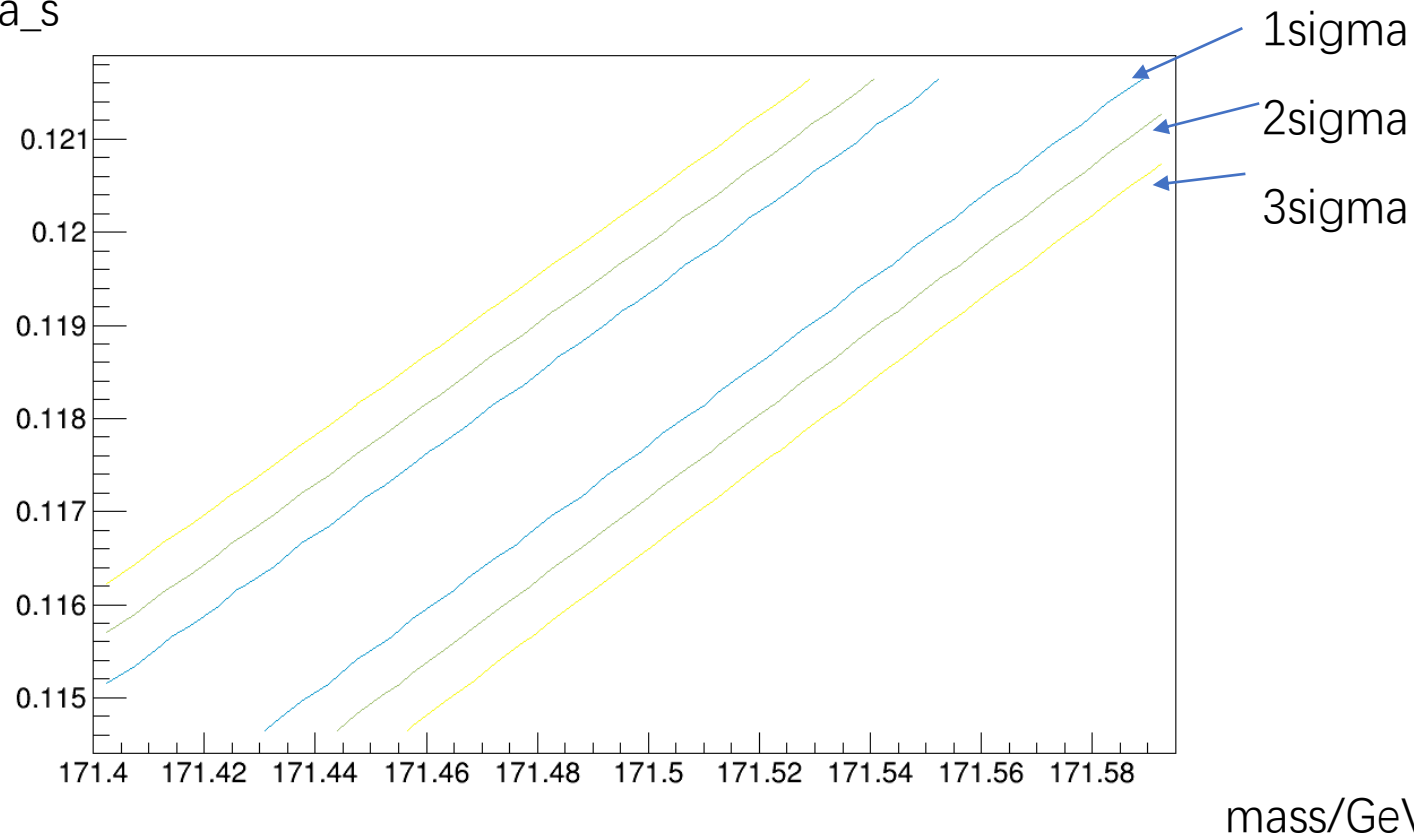
Zhan

2022.10.17

Top mass

- The referee wanted us to provide the figure of 2d scan of mass vs. alphas.

alpha_s



- We expect to get the figure like this:

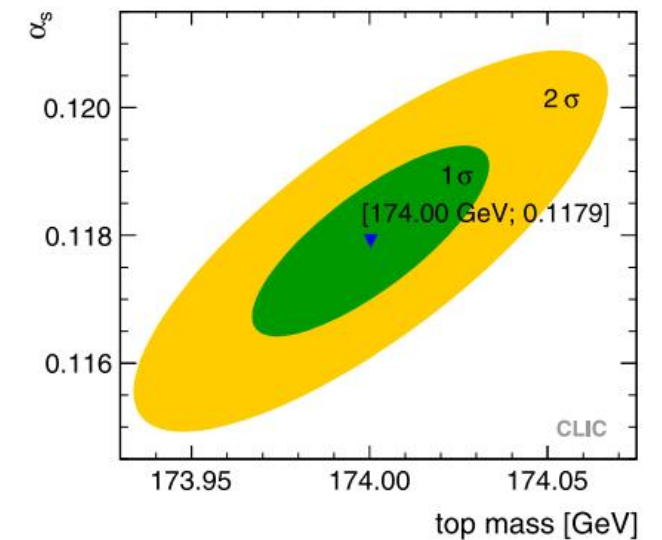
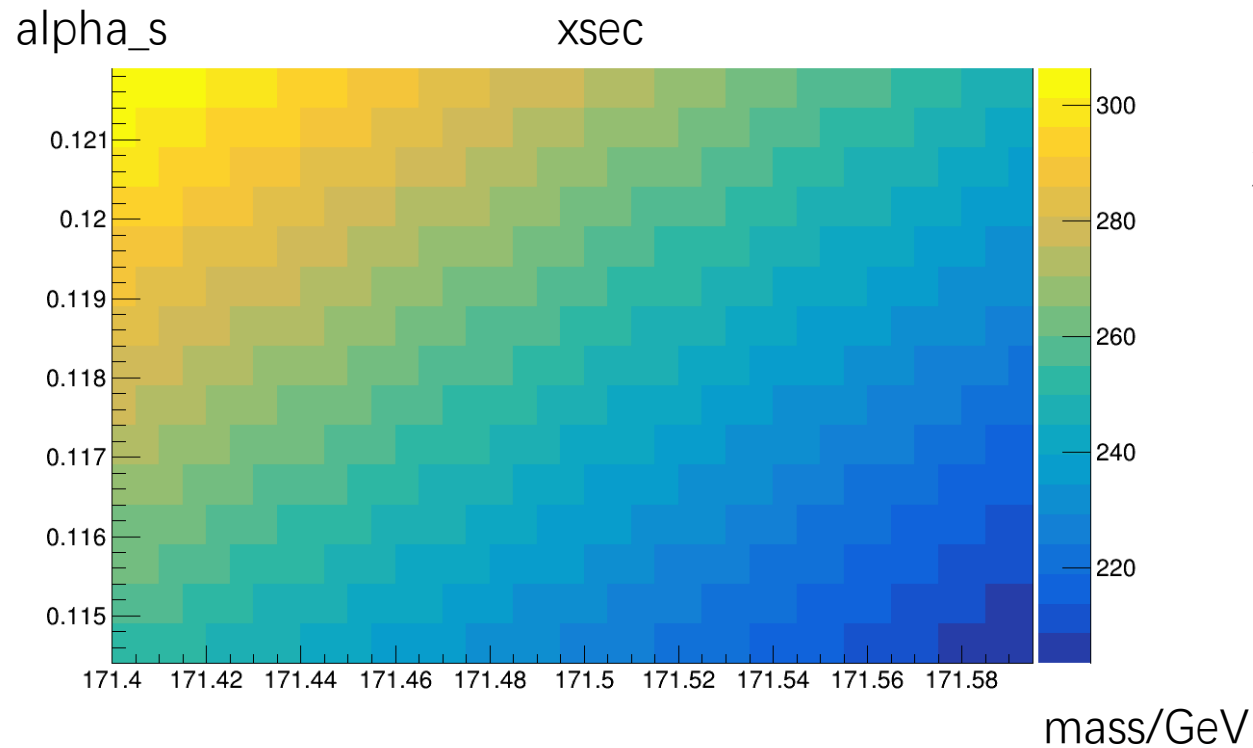


Fig. 6 Expected statistical errors from a simultaneous fit of the top mass and the strong coupling constant, showing the correlation of the two variables and the achieved precision

Top mass

- But we cannot get a closed curve.
The reason is:



The fit method we use is number counting method.

Since the xsec of the lower-left and the upper-right changes mildly, we cannot get a closed curve.

Xiaohu has sent email to them, for we would like to know what kind of method they use to get the closed curve.