Reminder

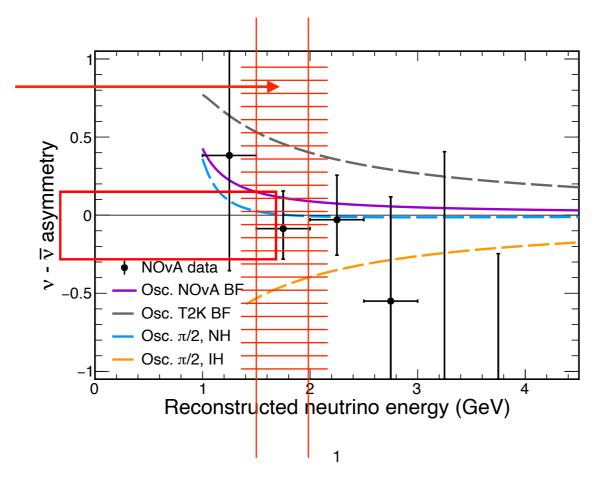
True frequentist way would be in generating pseudo experiments for all Asymmetry values in [-1, 1] and then find confidence interval.

根据Jon老师上次发的邮 件来读!!!

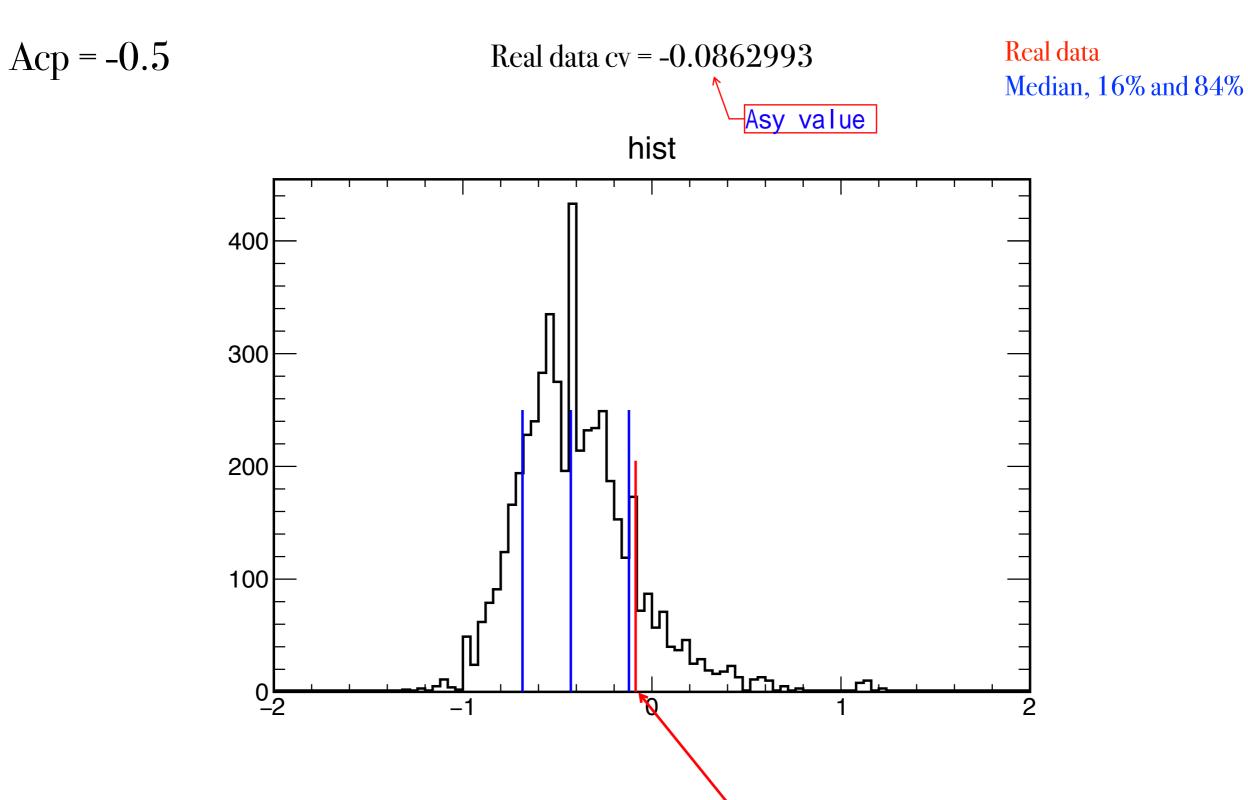
Notes on this procedure:

- * There are a lot of degeneracies in osc. parameters that will represent the same Asymmetry.
- * Will need to make thousands of experiments in each bin of Acp RecoE surface. And only then find the error bar based on Acp true values which distributions are cut off by data point corresponding to 68% CL. That is similar to FC we're doing for different slices and contours.
- * Took 1.5 2 GeV bin and generated experiments in some Acp points.

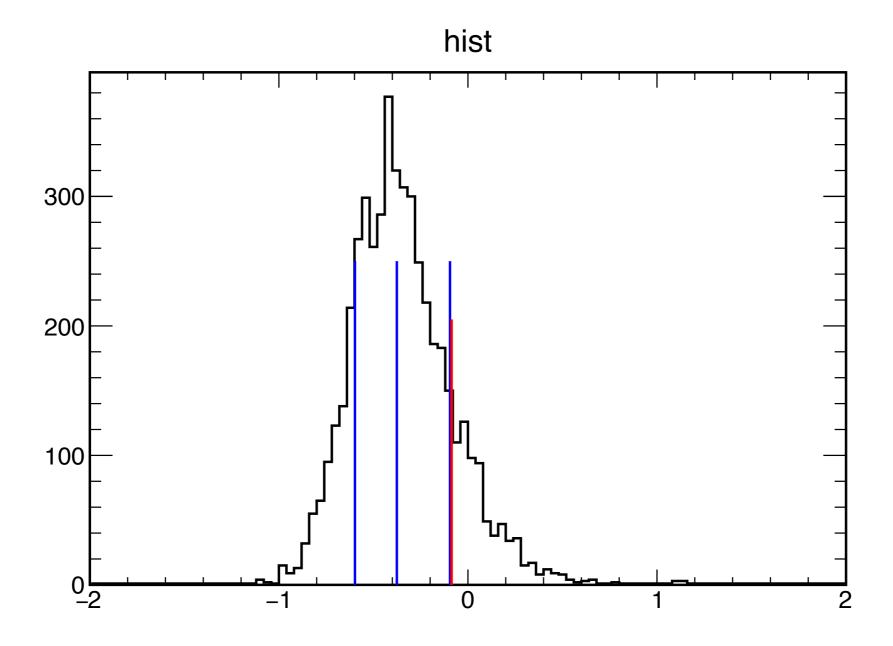
Need to generate experiments in each bin, define significance for each bin and then find confidence interval



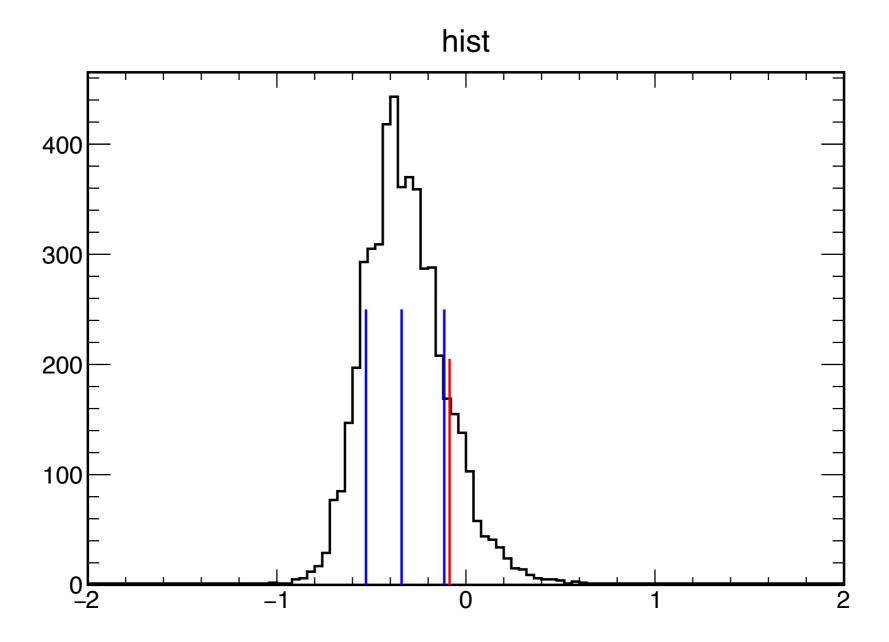
The real data Acp is -0.0809091, just the statistical range for 68% I got from mock experiments in Bayesian way is [-0.28212110; 0.15234090].



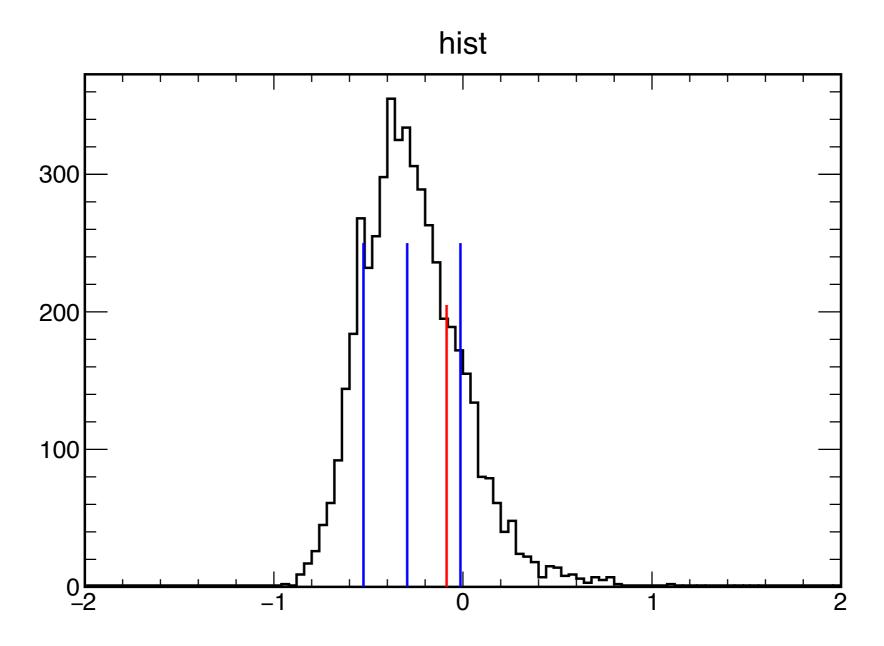
median -0.429099; q16 -0.684734; q84 -0.121694 count quantile at data: 0.875651



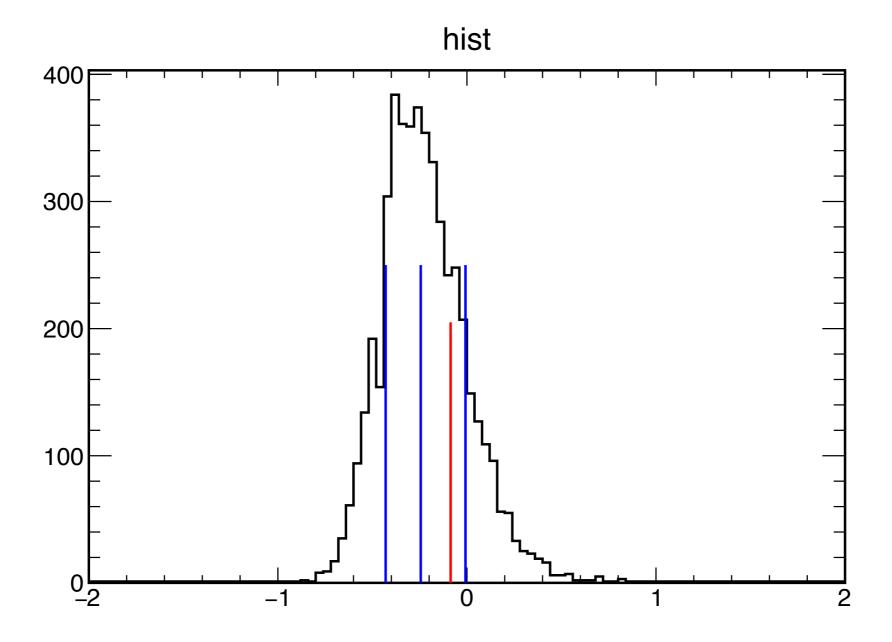
median -0.376062; q16 -0.597627; q84 -0.0948907 count quantile at data: 0.851398



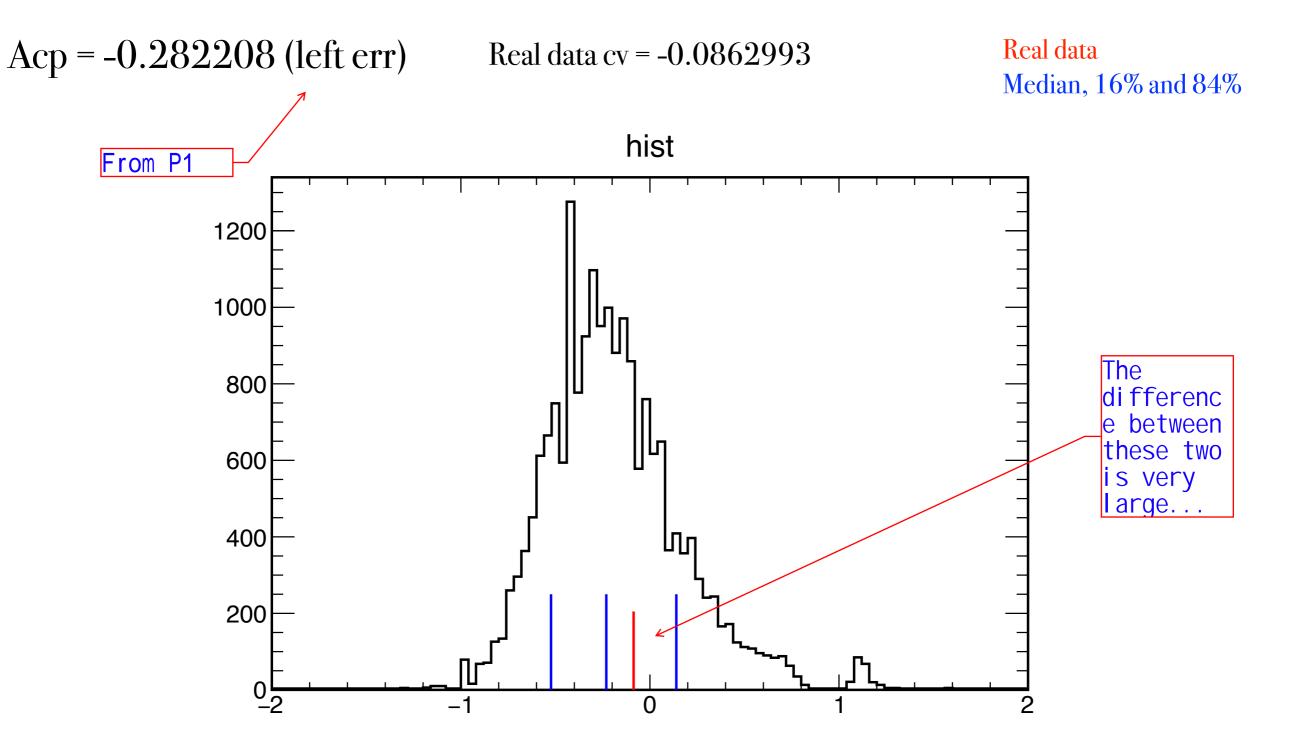
median -0.340166; q16 -0.528601; q84 -0.114556 count quantile at data: 0.868911



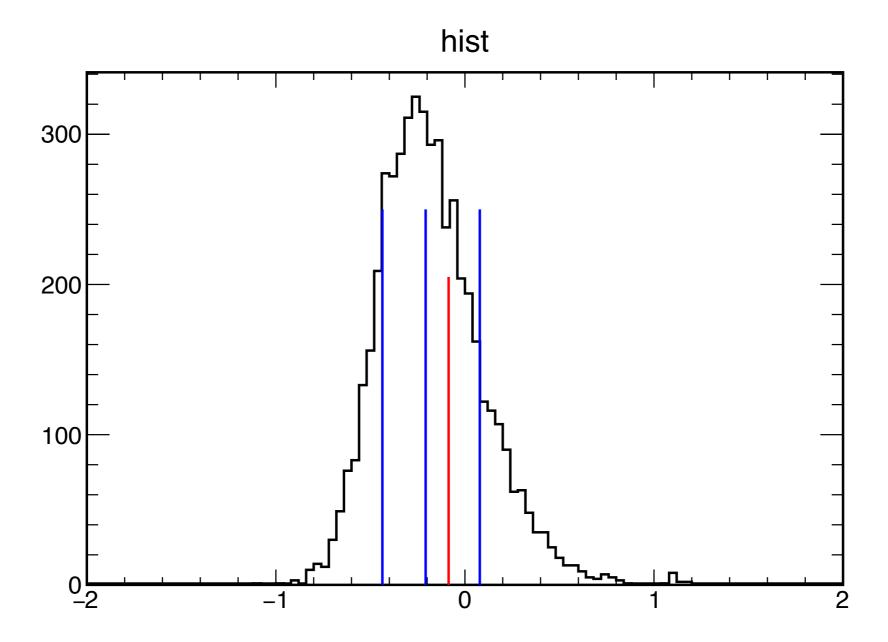
median -0.29479; q16 -0.526143; q84 -0.0132186 count quantile at data: 0.779758



median -0.244278; q16 -0.43; q84 -0.00772947 count quantile at data: 0.755306

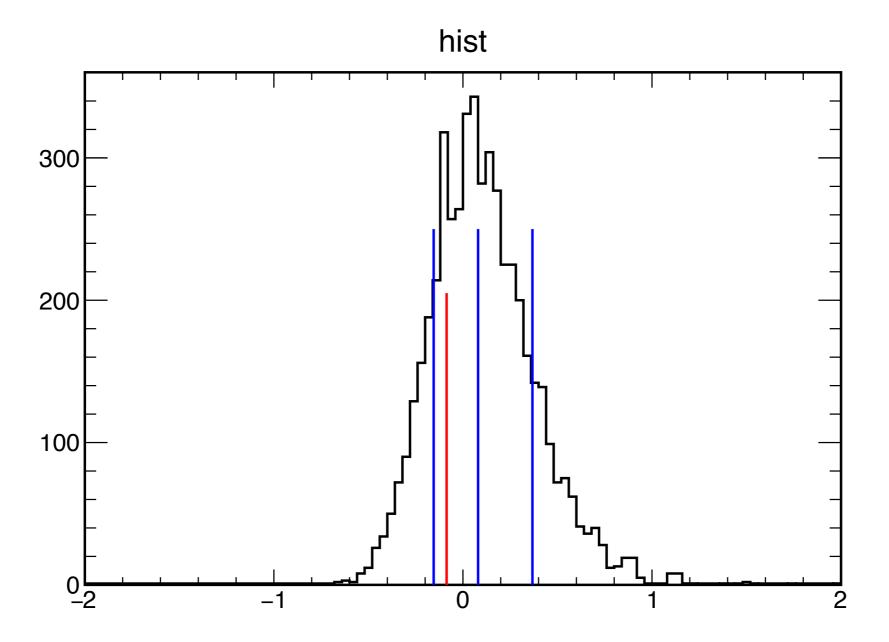


median -0.230811 q16 -0.523162 q84 0.139615 count quantile at data: 0.677949

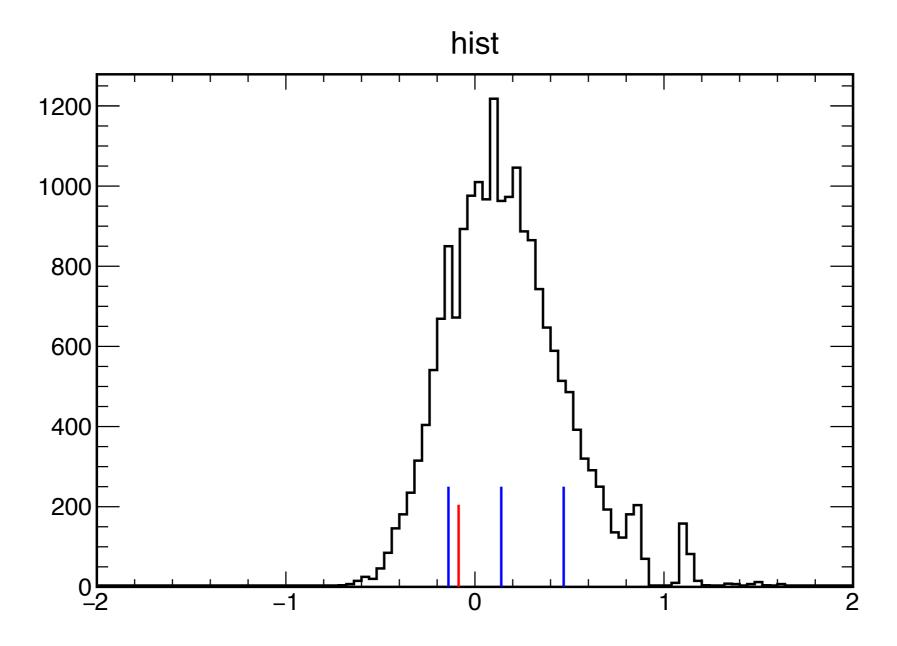


median -0.207873; q16 -0.436689; q84 0.0785975 count quantile at data: 0.677871

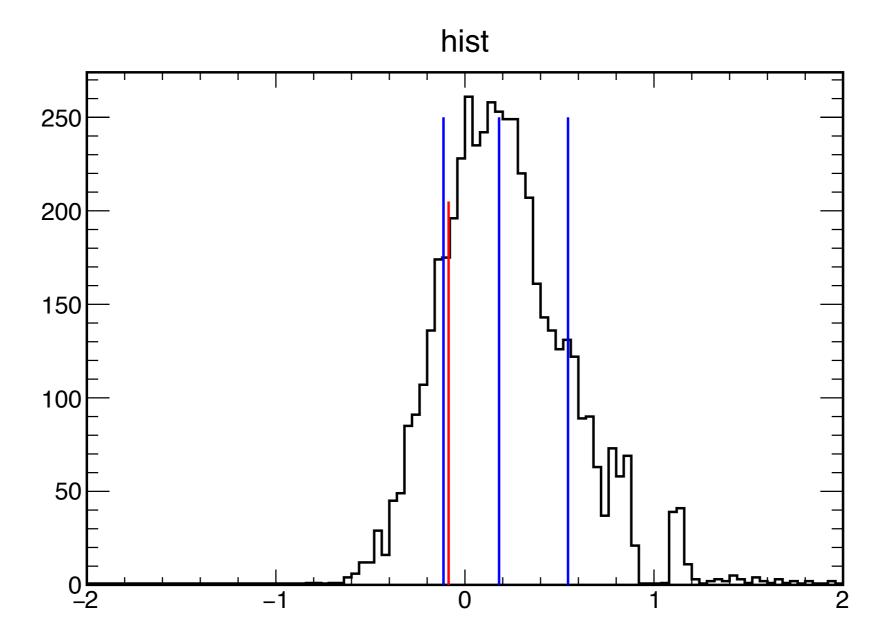
Right side of error bar



median 0.0801418; q16 -0.154766; q84 0.367606 count quantile at data: 0.2608



median 0.139273; q16 -0.140107; q84 0.469438 count quantile at data: 0.216396



median 0.180553; q16 -0.113509; q84 0.545221 count quantile at data: 0.189379

