

# Statistics Round Table

IACHEC @ Hothorpe Hall, England

2013 March 27

- Goodness-of-fit  $\neq$  parameter exploration
  - $\mu \approx 0$
  - collective choice of [XSPEC] goodness-of-fit statistic
- What is an “interesting” parameter ?
- Other questions and comments
  - Formal justification for general Poissonian models
  - C-Statistic failures
    - C++-Statistic ?

# Two commandments of data analysis



- ① Use the C-statistic to explore parameter space
- ② Use the Q-statistic for goodness-of-fit