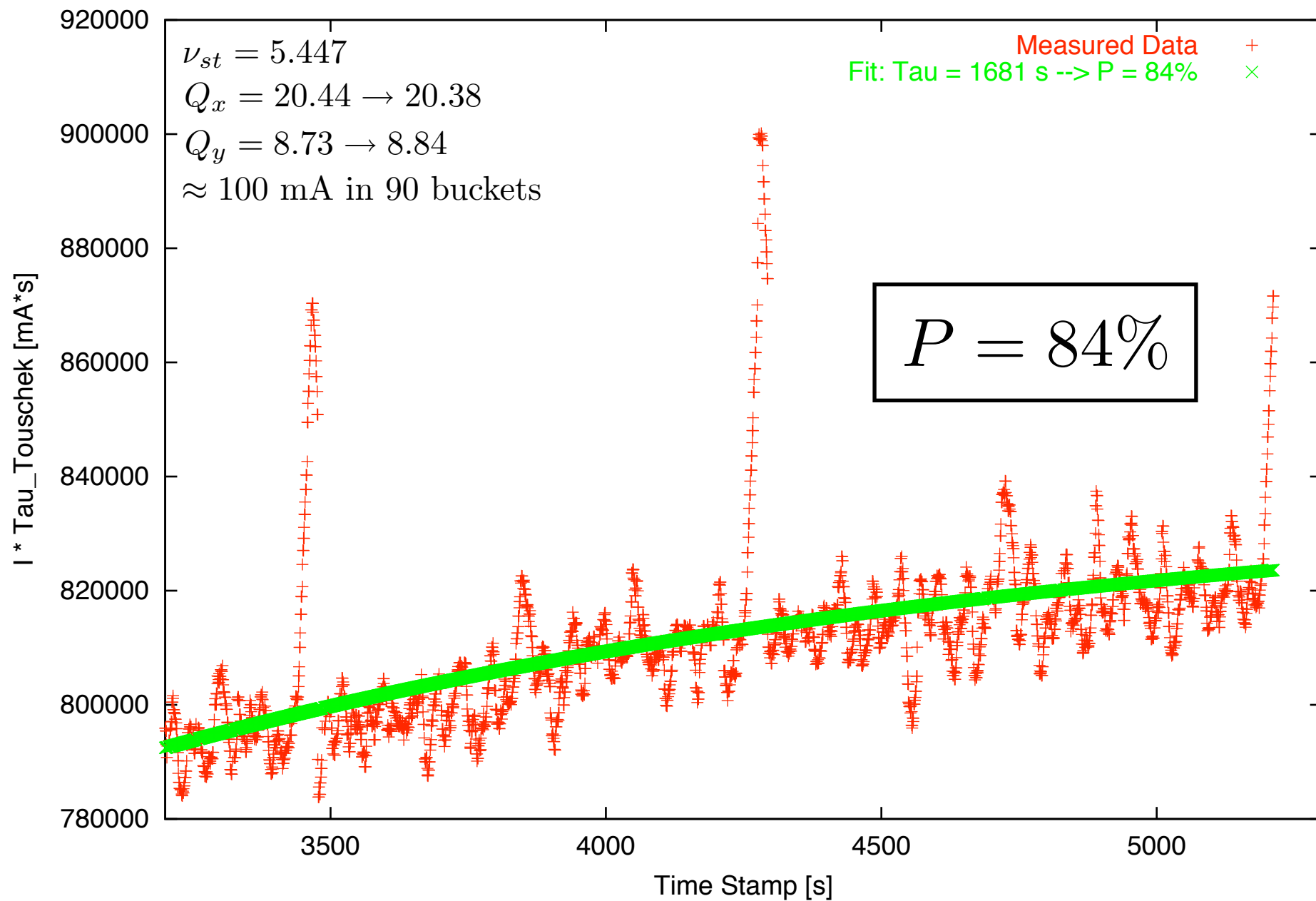


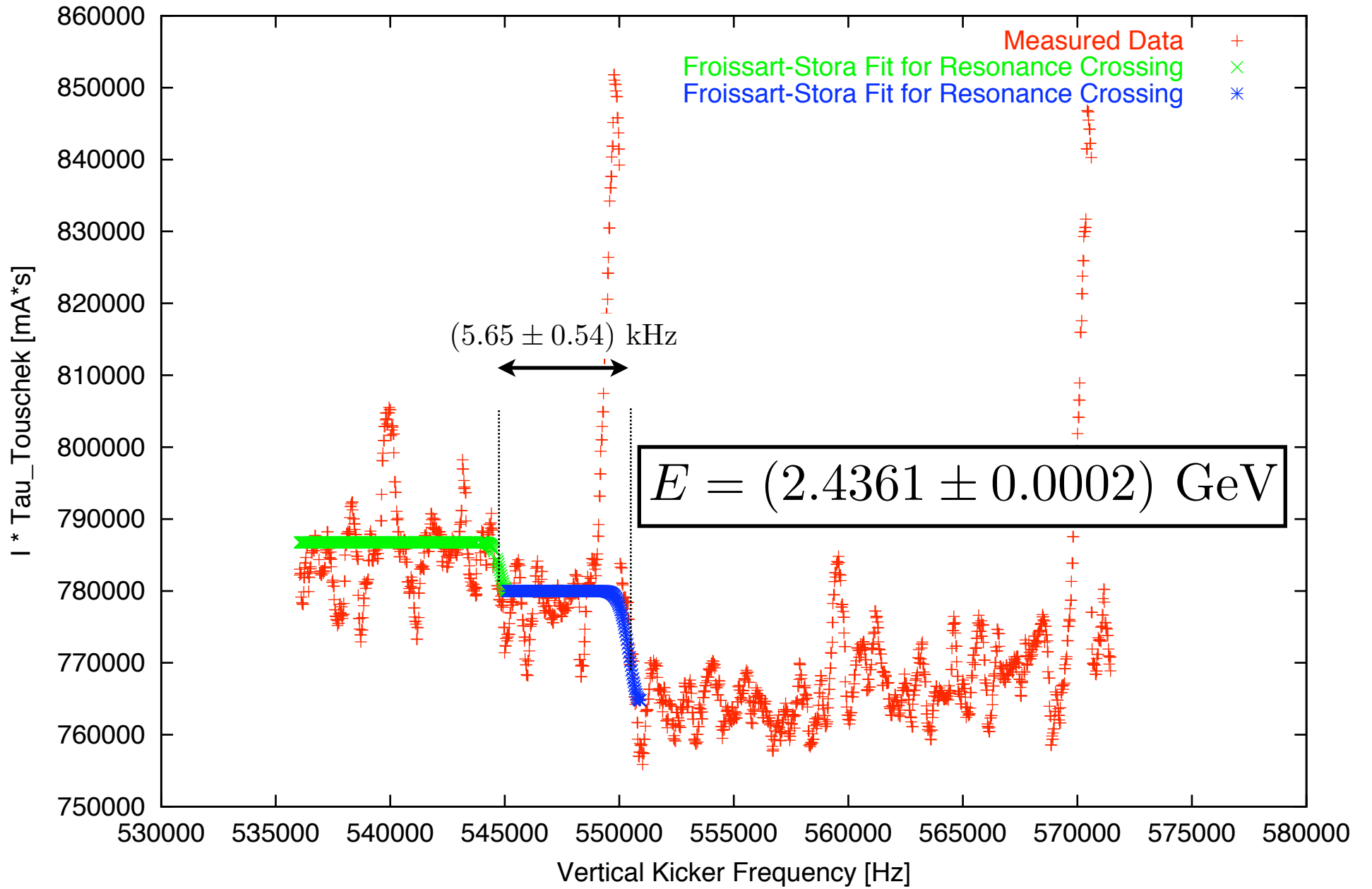
Results of the SLS Storage Ring Energy Calibration Measurements

Performed on January 18, 2005

Polarization Build-up

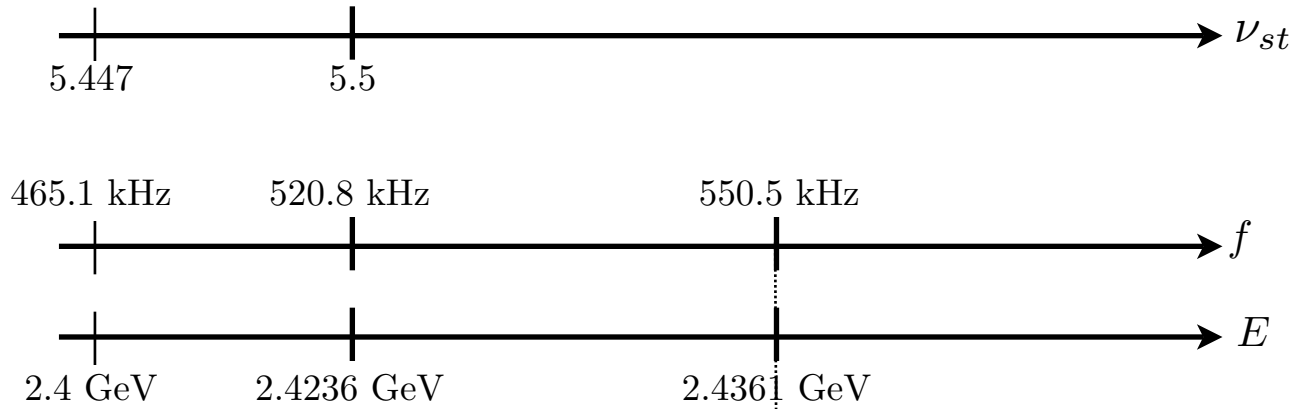


Excitation Frequency Sweep

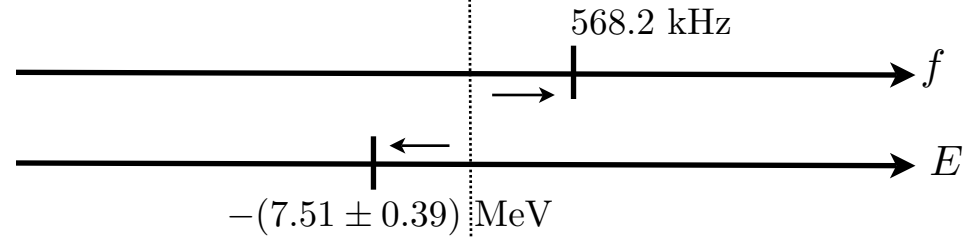


$$\nu_{st} = a\gamma = 5.447$$

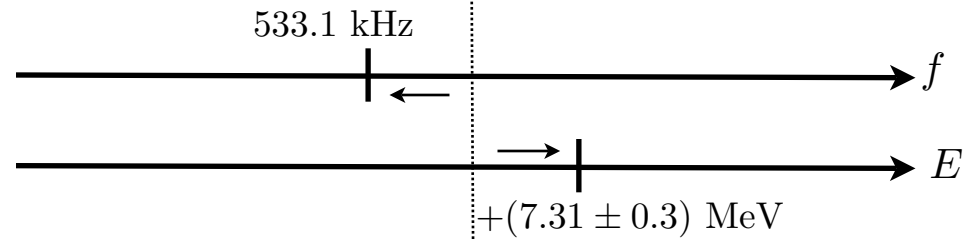
$$f = (\nu_{st} - \lfloor \nu_{st} \rfloor) f_0 = 465.1 \text{ kHz}$$



$$\Delta f_{RF} = +1 \text{ kHz}$$



$$\Delta f_{RF} = -1 \text{ kHz}$$



$$\Rightarrow \begin{aligned} \alpha_0 &= 6.58 \cdot 10^{-4} \\ \alpha_1 &= 2.92 \cdot 10^{-3} \end{aligned}$$