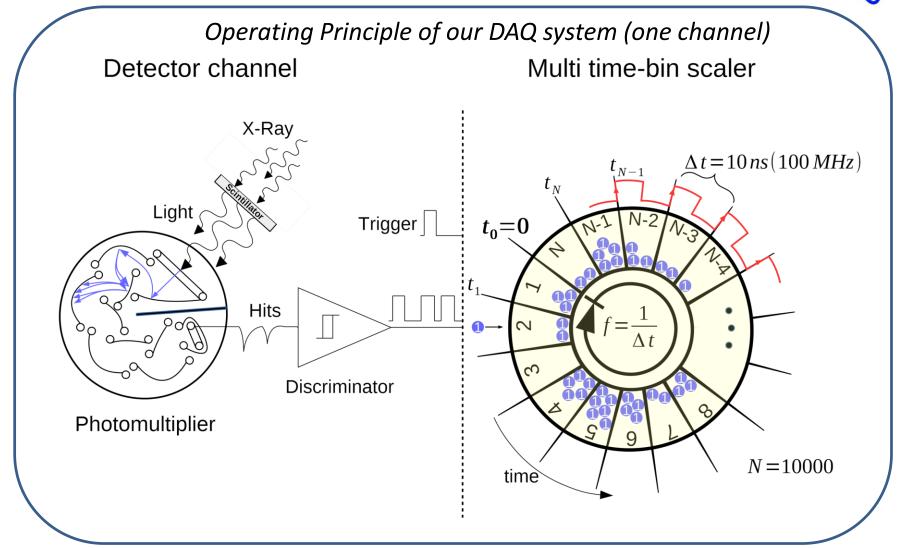
Multi-Channel FPGA-Based Data-Acquisition-System



for Time-Resolved Single-Photon Counting in Synchrotron Radiation Experiments

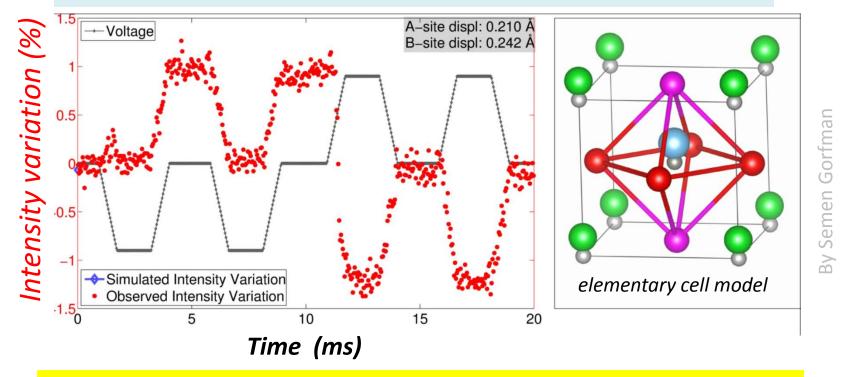




Speaker: Michael Ziolkowski, University of Siegen (Germany)

Here is an example of an X-ray diffraction result we obtained for a prototypical ferroelectric material ($BaTiO_3$ - $BiZn_{0.5}Ti_{0.5}O_3$) using our DAQ system:

→ Time evolution of the Bragg peak intensity under externally applied electric field perturbation.



→ Structural dynamics in-situ: a reversal of two polarization states; in a ferroelectric DRAM - a transition between binary states "0" and "1".

I look forward to meeting you on Friday. Poster id: 221. Thank you.