

Supplementary Material

Quantitative analysis of domain textures in ferroelectric ceramics from single high-energy synchrotron X-ray diffraction images

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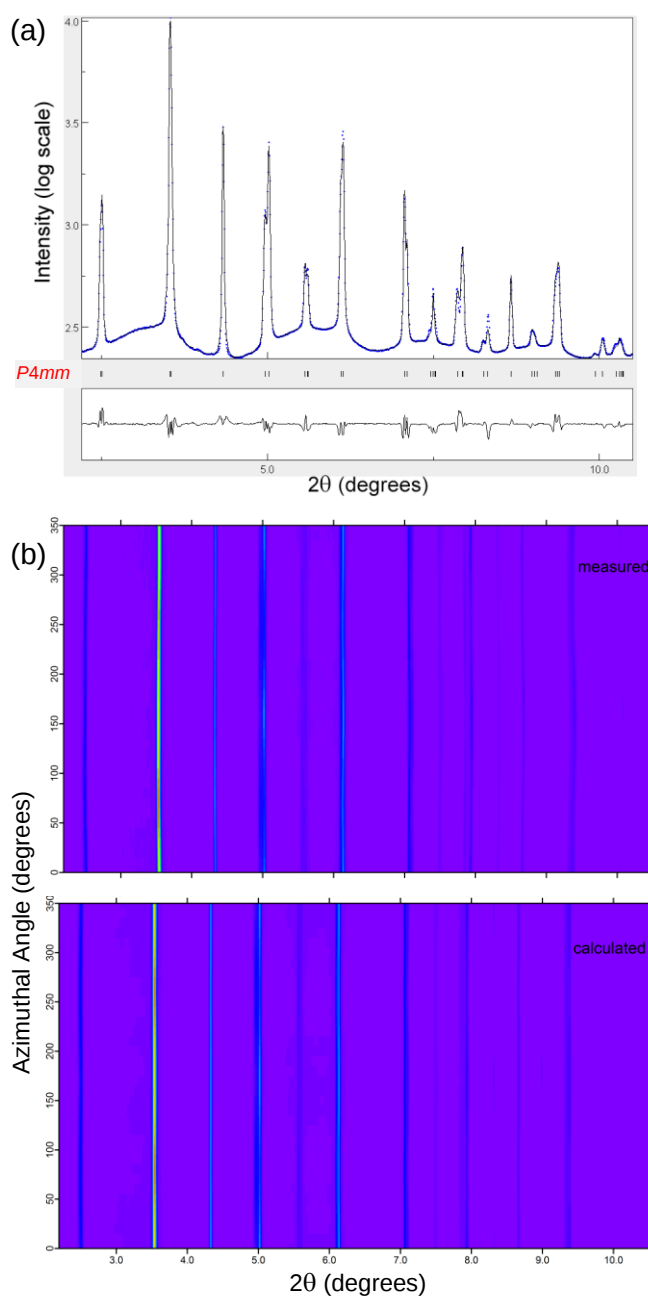


Figure S1. (a) Line plot of average diffraction data (dots), calculated diffraction pattern (-), peak positions and the difference between the average of measured and calculated diffraction data for a Rietveld refinement analysis of single diffraction image data measured from poled BNT-7.5BT material, (b) the corresponding contour plot of the measured and calculated diffraction patterns as a function of the angle of the scattering vector with respect to the poling axis (azimuthal angle).

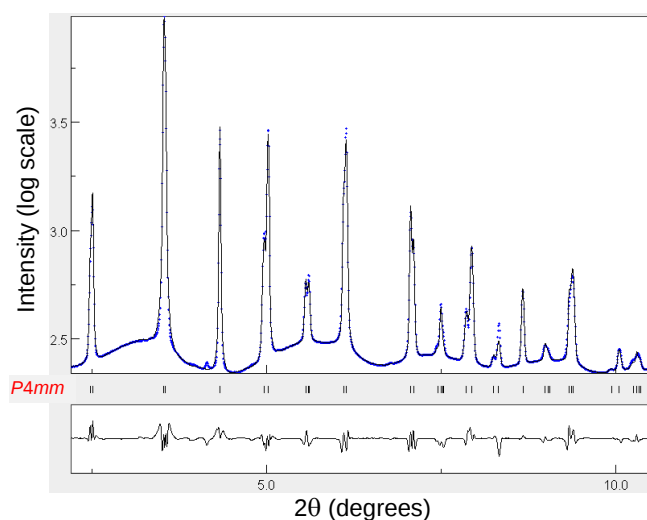


Figure S2. Line plot of average diffraction data (dots), calculated diffraction pattern (-), peak positions and the difference between the average of measured and calculated diffraction data for a Rietveld refinement using full rotation data from poled BNT-7.5BT material.

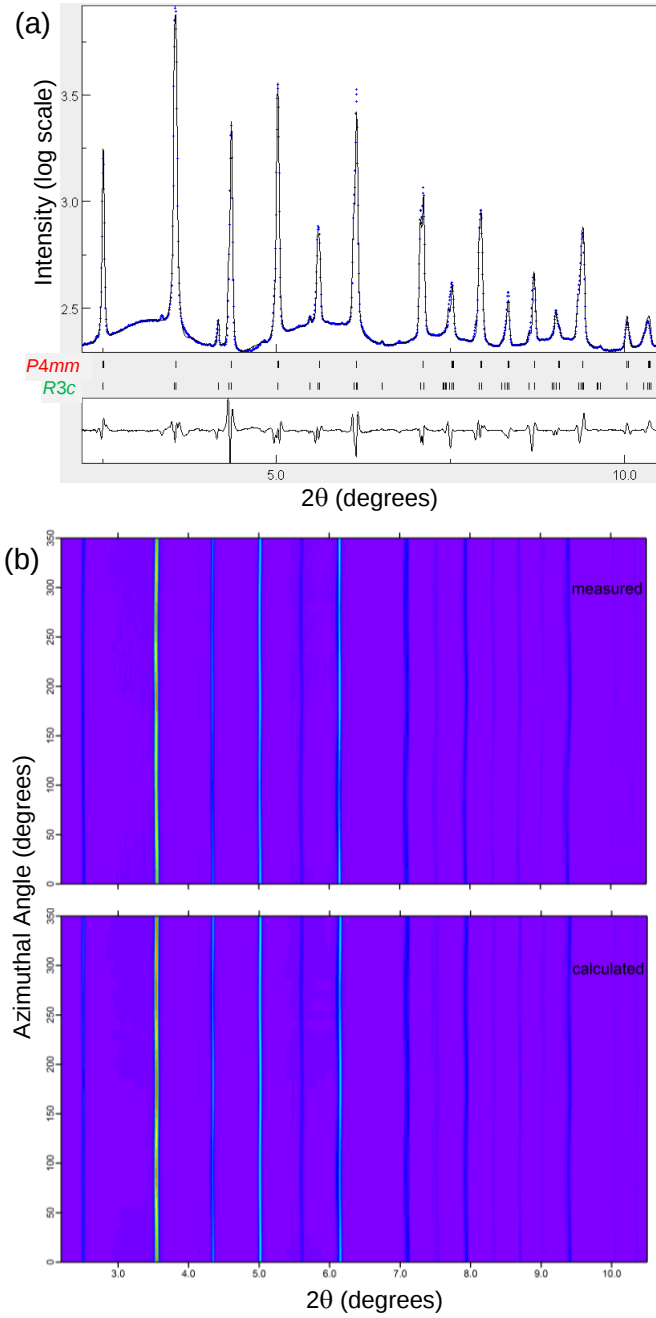


Figure S3. (a) Line plot of average diffraction data (dots), calculated diffraction pattern (-), peak positions and the difference between the average of measured and calculated diffraction data for a Rietveld refinement with single diffraction image data from poled BNT-6.25BT material, (b) the corresponding contour plot of the measured and calculated diffraction patterns as a function of the angle of the scattering vector with respect to the poling axis (azimuthal angle).

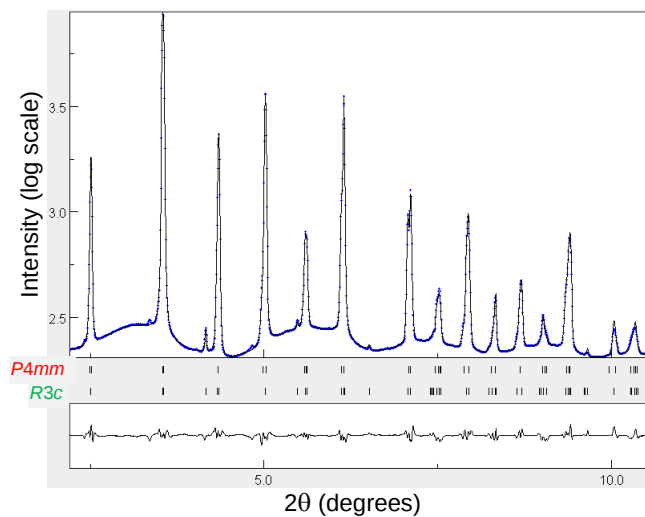


Figure S4. Line plot of average diffraction data (dots), calculated diffraction pattern (-), peak positions and the difference between the average of measured and calculated diffraction data for a Rietveld refinement using full rotation data from poled BNT-6.25BT material.