## XRD Experimental data $\chi^2$ / ndf 192.5 / 133 5000 $1748 \pm 68.99$ $-30.05 \pm 1.418$ m 4500 **MEAN** $44.36 \pm 0.005678$ 4000 $738 \pm 80.41$ constG **SigmaG** $0.6316 \pm 0.01638$ 3500 3000 constL $3428 \pm 752.8$ GammaL $0.4271 \pm 0.04295$ Experimental data 2500 2000 f = 0.8fit range is [42,49] **BG + PSEUDO** BG Gaussian Lorentzian 1500 1000 500 43 45 46 48 49 50 Angle 2theta [grad]