## XRD Experimental data $\chi^2$ / ndf 145 / 113 1800 $-926.5 \pm 94.32$ 15.07 + 1.288m 1600 **MEAN** $77.67 \pm 0.00714$ constG $568.2 \pm 182.9$ 1400 SigmaG $0.5601 \pm 0.07117$ constL $1161 \pm 222.5$ 1200 GammaL $0.5225 \pm 0.05117$ 1000 Experimental data ntensity f = 0.3800 fit range is [74,80] **BG + PSEUDO** BG f\*Gaussian 600 (1-f)\*Lorentzian 400 200 75 76 78 80 81 Angle 2theta [grad]