## XRD Experimental data $\chi^2$ / ndf 207.4 / 193 5000 $664.3 \pm 25.65$ $-6.944 \pm 0.3848$ m 4500 $64.72 \pm 0.004093$ **MEAN** 4000 constG $1902 \pm 287$ SigmaG $0.4428 \pm 0.03349$ 3500 3000 $1705 \pm 80.04$ constL GammaL $0.4893 \pm 0.02836$ Experimental data 2500 2000 f = 0.2fit range is [60,70] **BG + PSEUDO** BG f\*Gaussian (1-f)\*Lorentzian 1500 1000 500 62 63 64 65 66 68 Angle 2theta [grad]