

Synthesis of rhombohedral $\text{Hf}_{0.5}\text{Zr}_{0.5}\text{O}_2$ and analysis by x-ray diffraction through dynamical diffraction simulations

*Kit de Hond, Guus Rijnders, Gertjan Koster**

MESA+ Institute for Nanotechnology, University of Twente, P.O. Box 217, 7500 AE Enschede,
the Netherlands

Table S1: Most important parameters for the single layer simulations.

	Layer thick- ness t (Å)	RMS Rough- ness σ (nm)	Debye-Waller factor W_h
STO	-	1.0	0.60
LSMO	194	2.0	0.18
HZO	105	3.0	0.50

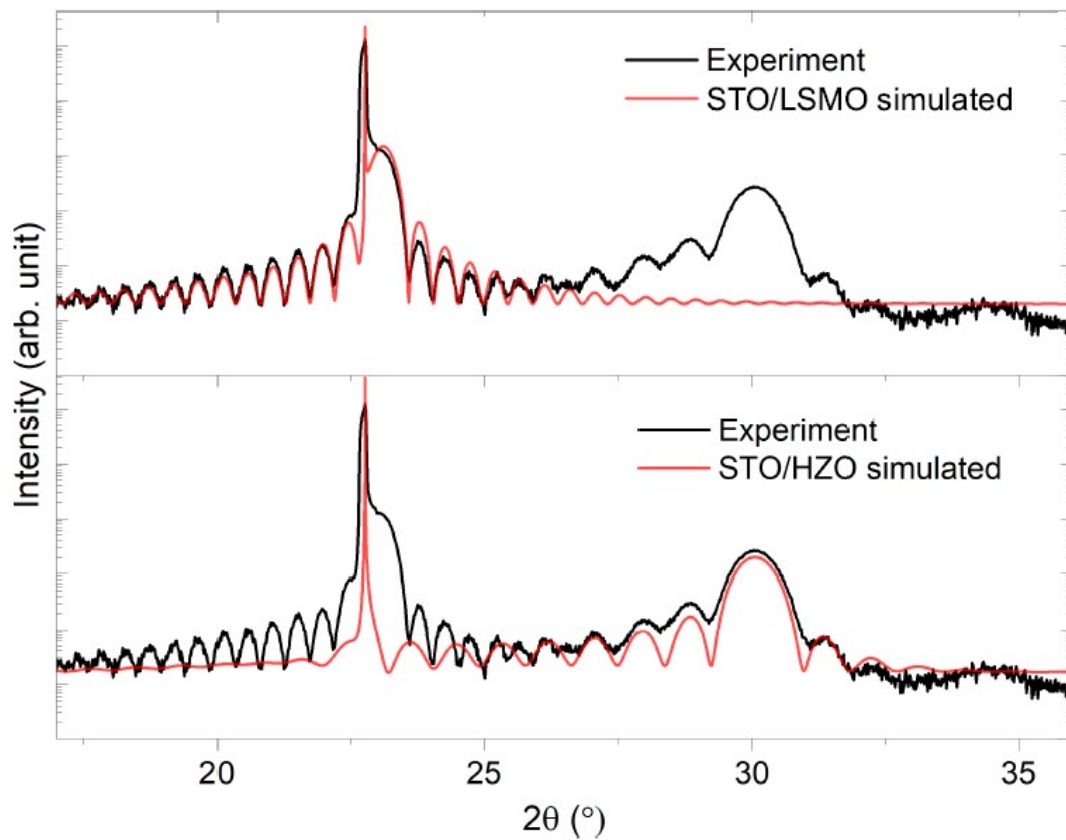


Figure S1: Dynamical XRD simulations of the LSMO and HZO layer separately. Both layers are simulated as being strained on an STO substrate.

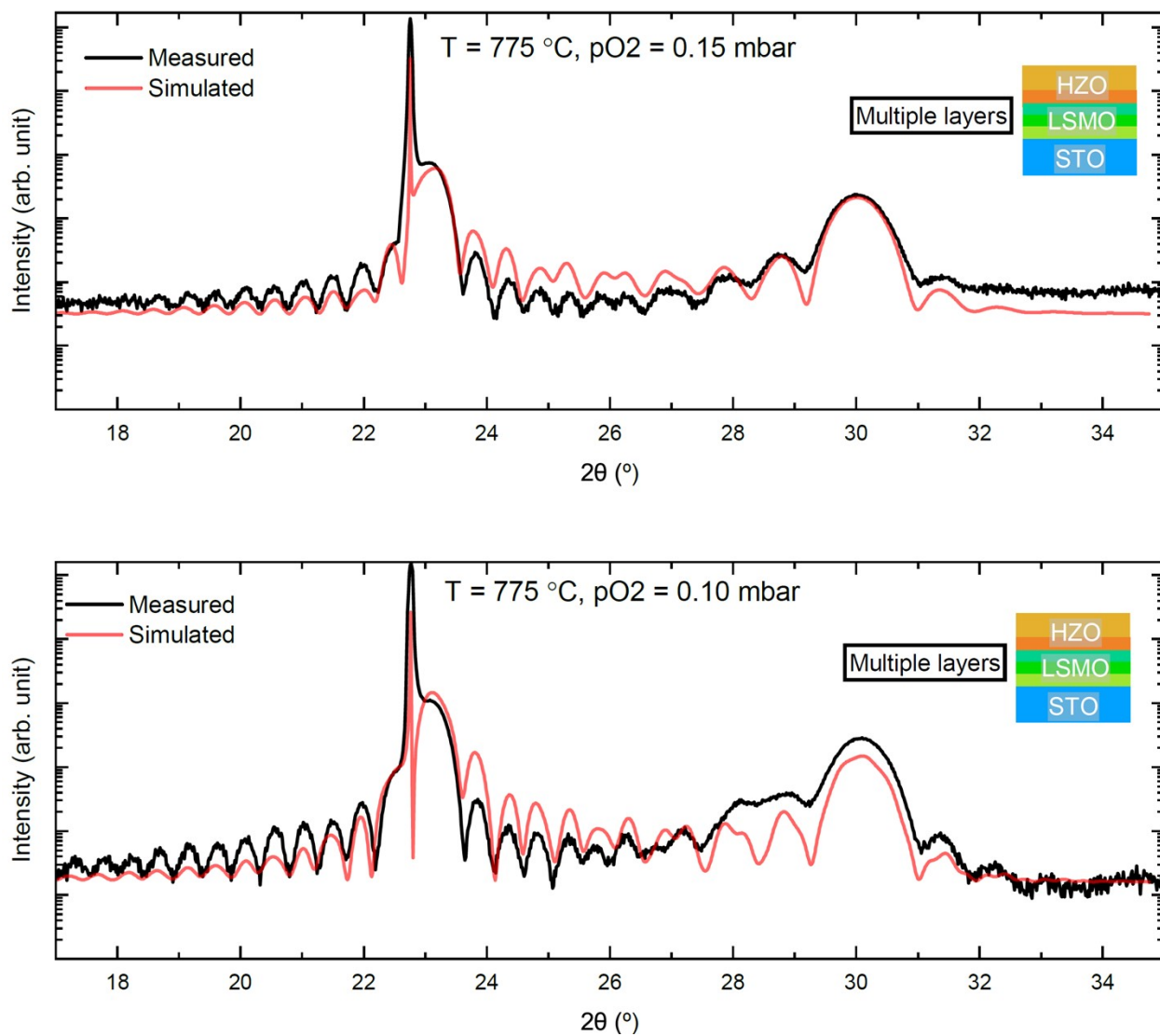


Figure S2: Dynamical XRD simulations for samples with different growth conditions. Both samples are simulated by splitting up the LSMO and HZO layers into multiple sublayers.