Torricelli __ The friendly X-Ray Standing Wave data analysis software __ ver3.8.472

Directory in which a single XSW data set is stored: /home/francois/Lab/Programming/XSW progs/PGI3_Torricelli/branches/Published_version/Example data sets/N1s_hBN on Cu(111) angluarResolved ...

Theoretical reflectivity and phase | Import experimental data | Fit reflectivity | Fit photoelectron yield | Argand diagram | Geometry, About, License

	(1) DCM	(2) Substrate	
	(σ-polarized light)	(3) σ- π-polarized light	P_{Refl}= -0.9925
	(ζ=0°, P_{Refl}=1, b= -1.00	(4) ζ= 0.00° b= -1.000	ξ= 3.50° θ= 86.50 °
	(5) Edit DCM	Elemental	Compound
Element:	Si	Cu	6H-SiC
Crystal system:	Cubic	Cubic	Hexagonal
Type:	diamond	faceCentered	HEX Wurtzite
a (Å) =	5.4309	3.6149	3.08129
(6) b (Å) =	5.4309	3.6149	3.08129
c (Å) =	5.4309	3.6149	15.11976
α β γ (°) =	90.0 90.0 90.0	90.0 90.0 90.0	90.0 90.0 120.0
(7) Checked values:	Yes	Yes	
(8) DW method:	Gao	Gao	Zywietz
(9) DW Temperature =	77.0 K	300.0 K	300.0 K
(hkil) =	1 1 1	1 1 1	0 0 0 6
Debye-Waller = (B_n in Å²)	0.2253	0.5747	
F_0 =	113.5438+15.9018j	116.1454+13.6065j	
(10) F_H =	-60.3573-11.1800j	85.5677+13.1650j	
$F_{\bar{H}}$ =	-60.3573-11.1800j	85.5677+13.1650j	
d_{hkl} =	3.136 Ang	2.087 Ang	
Bragg energy =		2975.85 eV	

Photon energy range: (11) ± 10.0 eV

(12) Structure factors, reflectivity and phase

(13)