

Directory in which a single XSW data set is stored: ...

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

(1) ☒ Dipole + Quadrupole approximation Element: (2) Z = Subshell: (3) (only s is defined)

(4) Δ = E_{Bragg} = 2975.85 eV E_{kin} = 2572.85 eV (5)

(6) ☐ Dipole approximation (γ=0) n-polarization φ_j = (7) P =

(8)

☒ Fit F_c = (9) (10)
 ☒ Fit P_c =
☒ Fit N_γ =
☐ Fit γ = ☒ Theo. (13) ☐ Man.

Initial values

Fit result ± statistical errors

(11)

(12)

S_R = |S_i| = Ψ = Q_o = Q_H =

S_R = |S_i| = Ψ = Q_o = Q_H =

☐ Fit S_R = ☐ Man. (14) ±

(15) ☐ Ignore Monte Carlo analysis (16)

(17) ☒ Show initial values curve (red): χ_{red}² = R² = χ_{red}² =

(18) (19)

Tabulated γ:

CoreLevel	BindingEnergy[eV]
N1s1/2	403
E _{kin} [eV]	gamma
100	0.106
200	0.209
500	0.413
1000	0.643
1500	0.819

(20)

Yield fit log:

```

FC=0.8607030337100373   PC=0.5235318038000101   N=8.378339304071463
Successful fit: "Tolerance seems to be too small."
Reduced chi squared = 0.059030154819803796
R_squared = 0.9857242781185043
Correlations (unreported correlations are < 0.100):
-> Fc with {'Pc': -0.3093346425849989, 'N': -0.5874083242516451}
-> Pc with {'Fc': -0.3093346425849988, 'N': 0.6537377743106864}
-> N with {'Pc': 0.6537377743106865, 'Fc': -0.5874083242516451}
    
```

(21)

