

Erratum: Argon scattering from Ru(0001): Calculations and comparison with experiment [Phys. Rev. B 75, 113408 (2007)]

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Due to a calculational error, the calculations shown in two figures are incorrect. The corrected figures are shown below. The discussion of Fig. 1 is unchanged. In the discussion of Fig. 2 the considerations of the shoulder feature for $\theta_i=40^\circ$ at $\theta_f \approx 60^\circ$ now no longer apply. The corrections do not change the basic conclusions of the paper regarding evidence for a larger Ru effective mass.

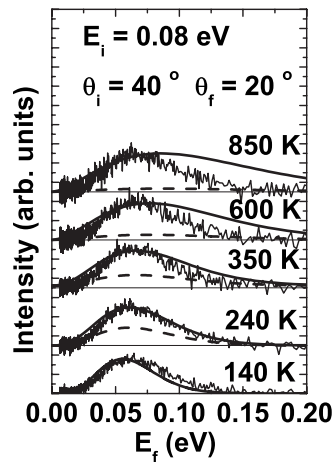


FIG. 1. Energy resolved spectra of Ar scattered from Ru(0001) at temperatures ranging from 140 to 850 K as marked. The incident energy is $E_i=0.08$ eV, the incident angle is $\theta_i=40^\circ$ and the final angle is $\theta_f=20^\circ$. The theoretical calculations, normalized to the data at each temperature, are shown as smooth solid curves and the calculated intensities relative to that at $T_s=140$ K are shown as dashed curves.

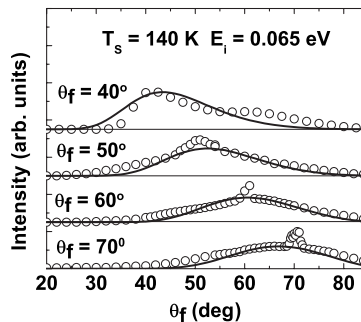


FIG. 2. Angular distributions for Ar/Ru(0001)-(1 \times 1)H in the $\langle 11\bar{2}0 \rangle$ direction with $E_i=0.065$ eV, $T_s=140$ K and four different incident angles ranging from 40° to 70° as marked. The symbols are experimental data and the solid curves are calculations that have been renormalized to match the experimental data in the vicinity of the maximum in the background.