



Figure 1. Brillouin zone (BZ) and Fermi surface (FS) maps for Ni_3V (a), Ni_3Al (b), and Pd_3Rh (c). The BZs are shown in the k_x-k_y plane, and the Fermi surfaces are shaded. The Brillouin zone boundaries are indicated by solid lines. The Fermi surfaces are labeled with their respective symmetry points: $\Gamma, X, Y, W, L, K, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z$.

