# SUPPLEMENTARY INFORMATION

## Crystal Structure of Rh

The crystal structure of Rh is face-centered cubic with space group $Fm\bar{3}m$. Rh is at the special position 4a (0, 0, 0) (Singh, 1986). The cell parameter of Rh resulted from the refinement (explained at the article) is $a$ = 3.590966(29) Å and the isotropic temperature factor is $U_{iso}$ = 0.02929(175) Å$^2$. Also the refined profile coefficients of the Rh peaks are $\sigma_1$ = 444(41) and $\gamma_1$ = 16(2).

## Crystal Structure of $CeIn_3$.

The crystal structure of $CeIn_3$ is simple cubic (space group P$m\bar{3}m$). Ce is at the special position 1a (0, 0, 0) and In at the special position 3c (0, ½, ½) (Lawrence, 1979). The cell parameter of $CeIn_3$, deduced from the analysis of our high-resolution powder diffraction data, is $a$ = 4.690745(288) Å. The weight fraction of $CeIn_3$ in the sample is very small, only 2.48(20) %. For this reason, in addition to the lattice parameter, only the profile coefficient $\sigma_1$ of the $CeIn_3$ peaks was refined and it takes the value $\sigma_1$ = 941(215).

## Crystal Structure of In.

In crystallizes in a tetragonal structure (space group $I4/mmm$) with In at the special position 2a (0, 0, 0) (Ridley, 1965). The structural parameters of In deduced from the analysis of our high-resolution powder diffraction data, are the lattice constants $a = b$ = 3.250942(170) Å and $c$ = 4.947383(486) Å, and the isotropic temperature factor $U_{iso}$ = 0.06284(772) Å$^2$. The refined profile coefficient is $\sigma_1$ = 458(88).