

# Superconductivity in the Endohedral Ga Cluster Compound PdGa<sub>5</sub>

## Supplementary Material

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Table S1 Unit cell parameters and atomic coordinates for the relaxed unit cell of PdGa<sub>5</sub>.

Space group		<i>I</i> 4/m c m (no. 140)	
Unit cell parameters (Å)		<i>a</i> = <i>b</i> = 6.38772 <i>c</i> = 9.92112	
	<i>x</i>	<i>y</i>	<i>z</i>
<i>Pd</i>	0	0	1/4
<i>Ga1</i>	0	0	0
<i>Ga2</i>	0.35415	0.85415	0.63928

Table S2 Unit cell parameters obtained from a LeBail fit to the powder x-ray diffraction pattern collected on a few, finely ground single crystals. The reliability factors given are conventional Rietveld (background corrected) *R*-factors calculated only for points with Bragg contributions.

Space group		<i>I</i> 4/m c m (no. 140)	
Unit cell parameters (Å)		<i>a</i> = <i>b</i> = 6.4350(1) <i>c</i> = 9.9866(2)	
Reliability factors:		<i>R</i> <sub>p</sub> = 12.0% <i>R</i> <sub>wp</sub> = 15.6% <i>R</i> <sub>exp</sub> = 11.45% $\chi^2$ = 1.87	