

# JOURNAL OF SOLID STATE CHEMISTRY

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Cover figure: The  $\text{Ir}_{13}\text{Al}_{45}$  structure interpreted in terms of Ir coordination polyhedra. Iridium atoms are represented by gray spheres, aluminium atoms by black spheres. (left) Inner rod formed by Polyhedra around Ir7 and Ir9. (middle) Pseudopentagonal environment of the inner rod, formation of the pseudopentagonal column. (right) Hexagonal arrangement of pseudopentagonal columns. Polyhedra belonging to columns at  $z \approx 0.25$  are hatched and those belonging to columns at  $z \approx 0.75$  are drawn in plain gray levels. Polyhedra around Ir6 are drawn in black fill the free space. For clarity, the innermost column is not drawn.