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**Synthesis and Physical Properties of BaCo<sub>2</sub>As<sub>2</sub> Single Crystals**

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We report synthesis and physical properties of BaCo<sub>2</sub>As<sub>2</sub> single crystals grown by the self-flux method. While it does not show any magnetic and structural transition, the results reveal that BaCo<sub>2</sub>As<sub>2</sub> is a usual paramagnetic metal with Wilson ratio well exceeding unity. We will discuss the implication by comparing its electrical, magnetic and thermodynamic properties with that of BaFe<sub>2</sub>As<sub>2</sub>.

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