

Synthesis, Crystal and Electronic Structures, Physical Properties and ^{121}Sb and ^{151}Eu Mössbauer Spectroscopy of the Alumo-Antimonide Zintl-Phase $\text{Eu}_5\text{Al}_2\text{Sb}_6$

Mathis Radzieowski,^a Theresa Block,^a Thomas Fickenscher,^a Yuemei Zhang,^b Boniface P. T. Fokwa,^b and Oliver Janka^{a,c,*}

^a *Institut für Anorganische und Analytische Chemie, Westfälische Wilhelms-Universität Münster, Corrensstraße 30, 48149 Münster, Germany*

^b *Department of Chemistry, 501 Box Springs Rd, Riverside, CA, 92521, USA*

^c *Institut für Chemie, Carl von Ossietzky Universität Oldenburg, Carl-von-Ossietzky Strasse 9-11, 26129 Oldenburg, Germany*

* Correspondence and reprints: Institut für Anorganische und Analytische Chemie, Westfälische Wilhelms-Universität Münster, Corrensstrasse 30, 48149 Münster, Germany, Tel.: +49–251–83–36074; Fax: +49–251–83–36002

E-mail addresses: ocjanka@uni-muenster.de (O. Janka)

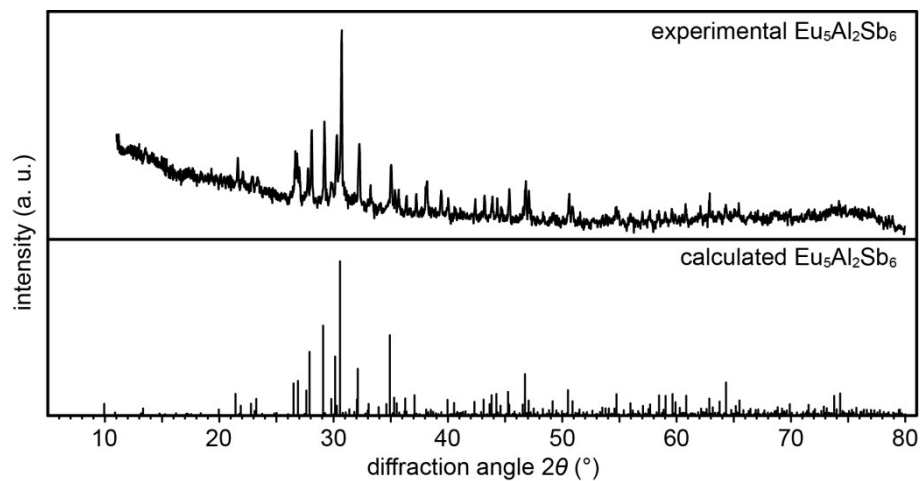


Fig. S1 Experimental and calculated powder diffraction pattern of $\text{Eu}_5\text{Al}_2\text{Sb}_6$.

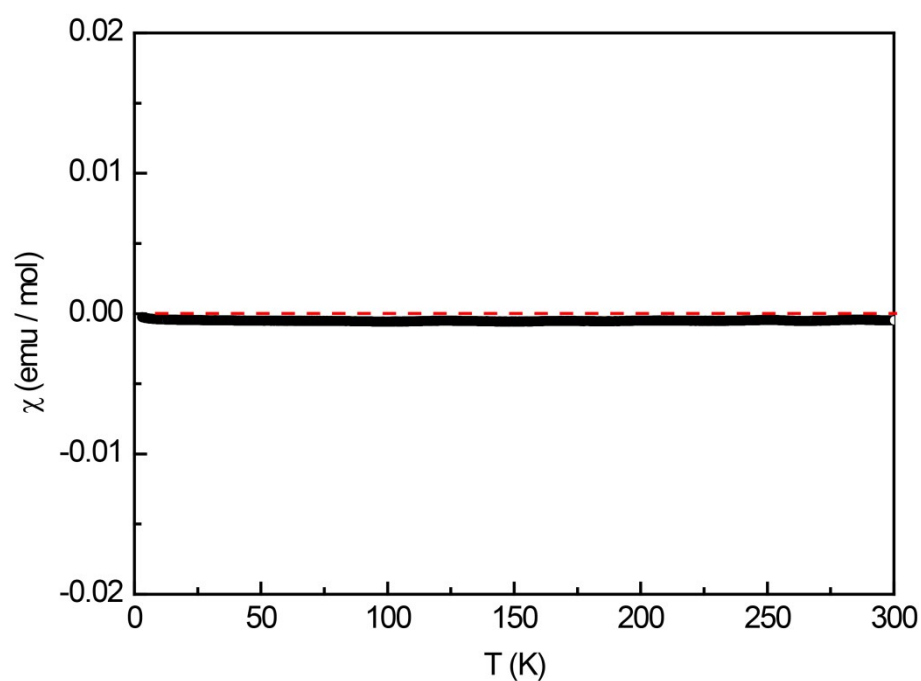


Fig. S2 Temperature dependence of the magnetic susceptibility χ of $\text{Sr}_5\text{Al}_2\text{Sb}_6$, measured at 10 kOe.