CHEMISTRY
A EUROPEAN JOURNAL

Supporting Information

Elusive Trimethyllanthanum: Snapshots of Extensive Methyl Group Degradation in La–Al heterobimetallic Complexes

Laura C. H. Gerber,[a] Erwan Le Roux,[a] Karl W. Törnroos,[a] and Reiner Anwander[a]*

[a] Department of Chemistry, University of Bergen, Allégaten 41, 5007 Bergen, Norway,

Zur Anzeige wird der QuickTime™ Dekompressor „“ benötigt.

Figure S1. ^{1}H MAS NMR spectra of La(AlMe$_4$)$_3$ with excess Et$_2$O (**2c**$_{(++)}$, A), neat La(AlMe$_4$)$_3$ (**1c**, B), neat Y(AlMe$_4$)$_3$ (**1a**, C), Y(AlMe$_4$)$_3$ with excess PMe$_3$ (**2a**, D), and La(AlMe$_4$)$_3$ with 3 equivalents PMe$_3$ (**2c**$_{(+)}$, E) (* = solvent).

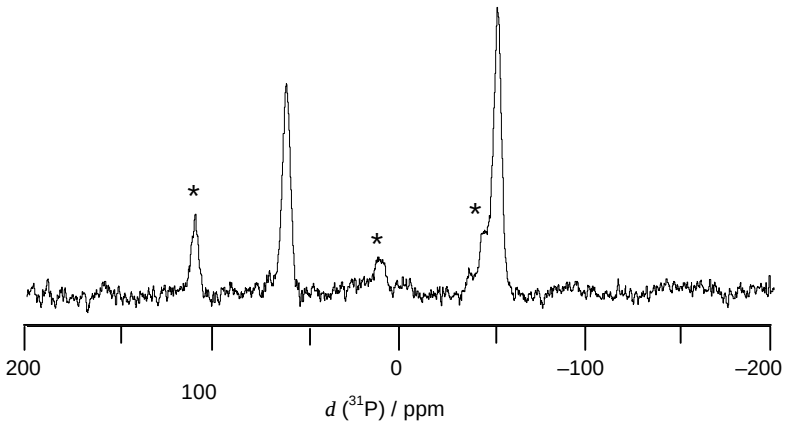

Figure S2. ^{31}P CP MAS NMR spectra of Y(AlMe$_4$)$_3$ with excess PMe$_3$ (**2a**) (* = rotational side bands).

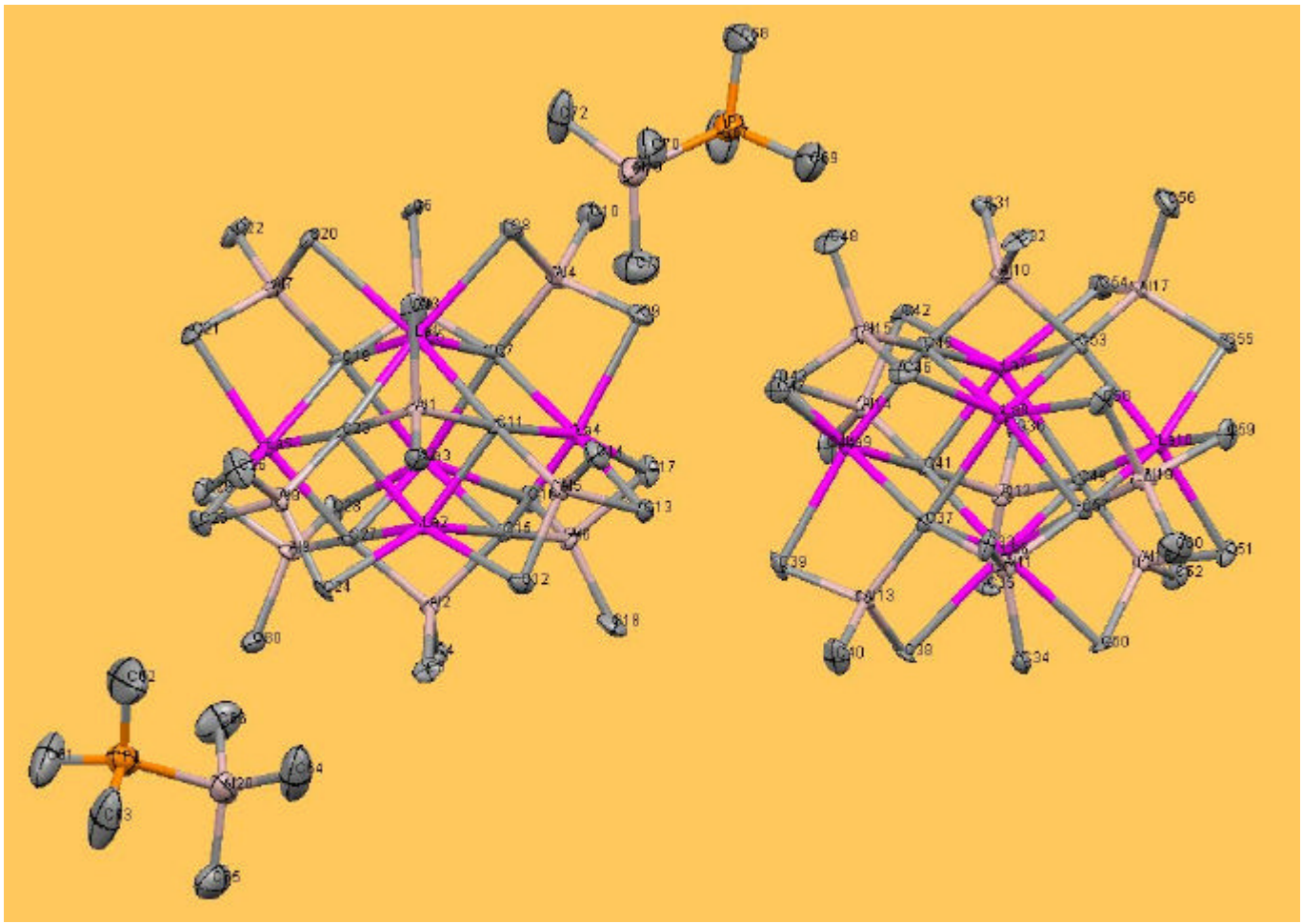

Figure S3. Molecular structure of **3c** (atomic displacement parameters set at the 50% level) showing both clusters **A** (left) and **B** (right) and cocrystallized coproduct $Me_3Al(PMe_3)$. Hydrogen atoms are omitted for clarity.