

Tuesday, July 28, 2015

POSTER SESSION: EARLY SOLAR SYSTEM CHRONOLOGY — A TRIBUTE
DEDICATED TO IAN HUTCHEON

5:30 p.m. Hearst Memorial Mining Building (HMMB) Floor Two

Claydon J. L. Elliott T. Coath C. D. Chen H. W. Taylor C. A. Russell S. S.
[*A Chondrule from the Mokoia \(CV3\) Chondrite with Anomalously Low \$^{26}\text{Mg}^*\$: Evidence for a Multi-Stage History- \[#5250\]*](#)

MC-ICP-MS measurements of Mg isotopes in chondrule MOK13B reveal that it may have formed from low-Al/Mg material that underwent chemical fractionation to increase Al/Mg after decay of ^{26}Al , or it may sample a region with anomalous Al or Mg isotopes.

Nagashima K. Krot A. N. Komatsu M.
 [*\$^{26}\text{Al}\$ - \$^{26}\text{Mg}\$ Systematics in Chondrules from Kaba and Yamato 980145 CV3 Chondrites \[#5167\]*](#)

We measured Al-Mg systematics of plagioclase in chondrules from two of the least metamorphosed CV chondrites, Kaba and Y-980145. Kaba chondrules show resolvable excesses of $\delta^{26}\text{Mg}^*$, corresponding to initial ($^{26}\text{Al}/^{27}\text{Al}$) ratios of $\sim 5 \times 10^{-6}$.

Amelin Y. Koefoed P. Yin Q.-Z. Yamashita K.
[*Sr Isotopic Systematics of the Allende CAIs A63 and SJ101 \[#5388\]*](#)

Allende CAI A63 with well preserved Rb-Sr system yielded initial $^{87}\text{Sr}/^{86}\text{Sr}$ of 0.698951 ± 0.000007 and $\epsilon^{84}\text{Sr} = +0.88 \pm 0.14$.