



Description of Facility

- We study extraterrestrial materials, including those brought back by NASA and JAXA missions. We perform many types of elemental and isotopic analyses, including measuring H, C, N, and O isotopes and studying short-lived radiochronometers such as ^{10}Be - ^{10}B , ^{26}Al - ^{26}Mg and ^{53}Mn - ^{53}Cr .
- We operate a Cameca ims 1280 SIMS and a JEOL 5900LV SEM (used for sample documentation).
- ~60% of analysis time is available to community
- Measurements are typically made by the visiting scientist, either in person or remotely, with varying degrees of assistance from lab personnel.
- Access granted on a case-by-case basis.

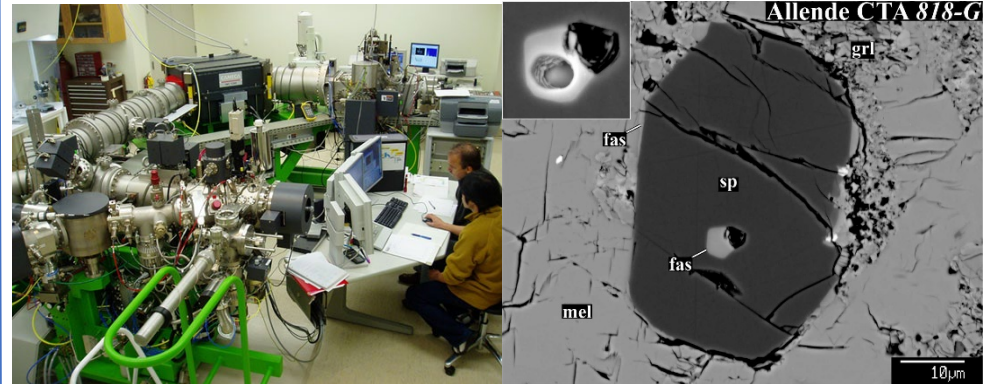


Figure Caption: (left) Cameca ims 1280 equipped with a Hyperion II ion source and SCAPS detector at the University of Hawai'i. The JEOL 5900LV SEM is visible by the back wall. (right) Fassaite inclusion inside spinel grain in a compact type A CAI. Inset shows an in probe pit created during an oxygen-isotope measurement of the fassaite.

How to use the facility

- Contact one of the senior scientists listed on the right and describe the measurements you wish to make.
- If the proposed task is scientifically sound, we will arrange for you to get your data. (We are not a "facility" and are not obligated to take all projects. But we have a wide range of interests and in most cases we are willing to work with you.)
- Projects are scheduled based on the availability of the instrument and our schedule(s).
- Rates: \$125/hour up to \$1250 per day for the ims 1280; \$25/hour up to \$250 per day for the SEM

Contact information:

- Location: University of Hawai'i at Mānoa, Honolulu, HI
- URL: <https://www.higp.hawaii.edu/cosmochemistry/>
- Contacts:
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