



‘IMILOA
Astronomy Center of Hawai‘i

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The Metallic Universe
Next Maunakea Skies at ‘Imiloa

Hilo, Hawai‘i – “Metals in the Universe” will be the next *Maunakea Skies* topic, January 21, at 7pm at ‘Imiloa Astronomy Center. Join Dr. Daniel Devost, Canada-France-Hawaii Telescope (CFHT), as he discusses how the measured evolution of the amount of metals can be used as a test for cosmological models and help us get a better understanding of our Universe.

Astronomers define metals as being all elements other than Hydrogen and Helium. Metals are found everywhere in the Universe and are an essential component for life. Techniques using professional telescopes can be used to determine the amount of metals in the Sun and in Meteorites. The amount of metals throughout the Milky Way can also be determined using stars, planetary nebulae or other objects. In the far reaches of the Universe, abundance determination becomes more difficult but can be done using other Galaxies.

Dr. Daniel Devost is the director of Science Operations at the CFHT since 2008 and resident astronomer since 2007. He came to CFHT from Cornell where he worked on the Infrared Spectrograph, one of the instruments on the Spitzer space telescope. Dr. Devost earned his PhD in 2004 from the Université Laval in Québec City, Canada.

January 21st Maunakea Skies will be hosted by Shawn Laatsch, ‘Imiloa’s Planetarium Manager. After the guest speaker’s featured presentation, Shawn will provide observational highlights of the current night sky over Hawai‘i, pointing out prominent constellations and stars one can see during this time of year.

The monthly Maunakea Skies planetarium presentations are held on the third Saturday of each month. Presented in ‘Imiloa Astronomy Center’s 120-seat planetarium,

admission is \$5 for ʻImiloa members and \$8 for non-members. Pre-purchase tickets at the ʻImiloa front desk or by phone at (808) 969-9704; Visa and MasterCard accepted.

ʻImiloa Astronomy Center of Hawaiʻi is located at 600 ʻImiloa Place in Hilo, off Komohana and Nowelo Streets at the UH-Hilo Science and Technology Park. For more information, go to www.imiloahawaii.org, or call (808) 969-9703.



Figure 1 photo of Dr. Daniel Devost

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