POSTER LOCATION #14

White A. J., Ebel D. S., Greenberg M.

An Improved Experimental Deconvolution Technique for 3-Dimensional Laser Confocal Microscopy of Particles in Aerogel [#1630]

We present a method for imaging particles in aerogel. This work is adapted for samples returned by Stardust but can be applied to any future return samples.

POSTER LOCATION #15

Mohapatra R. K., Herrmann S., Westphal A., Ott U., Clark I. D.

Stardust Aerogel — A Noble Gas Experiment [#2201]

Noble gas measurements have been performed on silica aerogel from the Stardust mission to explore possible cometary atmosphere sampled via low energy implantation.

POSTER LOCATION #16


A Light Noble Gas Inventory of Stardust Cell C2044 [#1084]

Helium and neon concentrations and isotopic compositions from Stardust cell C2044 track 41 and aerogel samples.

POSTER LOCATION #17

Ogliore R. C., Huss G. R., Nagashima K., Westphal A. J.

Oxygen Isotope Analysis of Fine-grained Cometary Material from the Bulb of a Stardust Track [#2950]

We describe a SIMS technique to measure grains embedded in aerogel and report O-isotope measurements of 65 small grains from the bulb of a Stardust track.

POSTER LOCATION #18

Frank D. R., Zolensky M. E., Le L., Weisberg M. K., Kimura M.

Highly Reduced Forsterite and Enstatite from Stardust Track 61: Implications for Radial Transport of E Asteroid Material [#3082]

We discuss the affinity of the track 61 TP to aubrites and the implications for radial transport mechanisms.

POSTER LOCATION #19


FIB-TEM Investigations into the Condition of Refractory Presolar Phases Under Stardust-like Conditions [#2625]

FIB-TEM studies of Si-Ti carbide craters in Al show much surviving crystalline material, demonstrating that presolar SiCs should survive a Stardust-like impact.

POSTER LOCATION #20


Community-Supported Stardust Compendia [#1686]

We present compendia for the Stardust cometary and interstellar dust collections. The compendia are readable globally and editable by Stardust investigators.