Thursday, March 26, 2009
POSTER SESSION II: IRON METEORITES
6:30 p.m. Town Center Exhibit Area

Yang J. Goldstein J. I. Michael J. R. Kotula P. G.
Composition and Thermal History of the IVB Iron Meteorites **[#1186]**
Cooling rates across IVB iron group vary more than a factor of six, which is against the constant cooling rate as shown in previous studies. Implications to the early evolution of asteroids will be discussed.

Qin L. Dauphas N.
Cosmogenic Stable Isotope Effects in Carbo **[#2278]**
Samples from the same iron meteorite, Carbo, show resolvable variations in $\varepsilon^{182}W$. The variations are correlated with ^{3}He and depth from pre-atmospheric center. These are best explained by cosmogenic effects. No variation in $\varepsilon^{184}W$ can be resolved.

Garvie L. A. J. Németh P.
The Structure of Canyon Diablo "Diamonds" **[#1346]**
"Diamond" from the Canyon Diablo meteorite is composed of a nanoscale intergrowth of diamond and lonsdaleite, with [0-11] zone axis of diamond parallel to [010] of diamond.