

## Melt Inclusions in Mega-Diamonds

Melt inclusions of iron-nickel-(carbon-sulfur) have been reported from a study of 53 large/mega-diamonds including the well - known *Cullinan*, *Constellation* and *Koh-i-Noor*. These melt inclusions are accompanied by a thin fluid layer of methane  $\pm$  hydrogen among others.

Evan M. Smith of the Gemmological Institute of America, New York and four other authors have reported this finding in the 16 December issue of ***Science***. These results are indicative of the highly reducing environment of deep mantle regions capable of precipitating metallic Fe-Ni phase. Large diamonds appear to form at much deeper levels of the mantle. Further details may be accessed at:

<https://www.sciencenews.org/article/megadiamonds-point-metal-mantle?tgt=nr>

<http://science.sciencemag.org/content/354/6318/1403>

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