

Underground Radioactivity Measurements of Meteorites

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- Radionuclides in HaH 346 meteorite measured to address fall date and bolide size.
- Measurements were performed at the underground laboratory HADES (EUFRAT)
 - ^{22}Na , ^{26}Al , ^{60}Co , ^{57}Co , ^{54}Mn , ^{44}Ti & ^{241}Am detected.
- MCNP code used to model the measurement efficiency based on 3D scans (high accuracy).
- Terrestrial age achieved from $^{22}\text{Na}/^{26}\text{Al}$ ratio.
- Pre-atmospheric size of meteoroid obtained via ^{60}Co and ^{26}Al analysis and previous simulations of their production in outer space

Poster #83

