POSTER SESSION II: CHELYABINSK: A WORTHY FALL
6:00 p.m. Town Center Exhibit Area

Righter K. Abell P. Agresti D. Berger E. L. Burton A. S. et al. POSTER LOCATION #517
Mineralogy, Petrology, Chronology, and Exposure History of the Chelyabinsk Meteorite and Parent Body [2686]
Chelyabinsk exhibits three lithologies, evidence for multiple impact, and heating events from 4.6 Ga to almost present day, and has a very young exposure age.

Park J. Herzog G. F. Nyquist L. E. Shih C.-Y. Haba M.-K. et al. POSTER LOCATION #518
$^{26}$Al and $^{10}$Be Activities in Chelyabinsk (LL5): Implications for Cosmic-Ray Exposure History [1453]
Modeling of Chelyabinsk as an object 5 m in radius irradiated in one stage for 1.3 to 1.4 Ma can explain most but not all measurements of $^{26}$Al, $^{10}$Be, and $^3$He.

Lindsay F. N. Herzog G. F. Park J. Turrin B. D. Delaney J. S. et al. POSTER LOCATION #519
Chelyabinsk Ar-Ar Ages — A Young Heterogeneous LL5 Chondrite [2226]
We present Ar-Ar ages from 6 lithologically distinct fragments of the Chelyabinsk meteorite. Integrated and plateau ages range from 264 ± 2 to 2083 ± 5 Ma.

Nabelek L. Mazanec M. Kdyr S. Kletetschka G. POSTER LOCATION #520
Magnetic, In Situ, Mineral Characterization of Chelyabinsk Meteorite Thin Section [3006]
Meteorite, taenite, kamacite, coercivity.

Nakamura E. Kunihiro T. Kitagawa H. Kobayashi K. Ota T. et al. POSTER LOCATION #521
Recycling of an Asteroid via a Comet Inferred from the Chelyabinsk Meteorite [1865]
Comprehensive geochemical analyses revealed that a 20-m-sized Chelyabinsk body formed by catastrophic impact on 150 Ma and subsequently interacted with fluid.

Korycansky D. G. POSTER LOCATION #522
Modeling the Chelyabinsk Impact, 2 [1144]
Efforts to model the 2013 Chelyabinsk impact with the CTH code are described.

Kuzmicheva M. Yu. Losseva T. V. Lyakhov A. N. POSTER LOCATION #523
Transient Magnetic Fields Caused by Air-Blast Events [1947]
Geomagnetic field disturbances after air-blast events such as the Tunguska bolide and the Chelyabinsk bolide are considered.

Luther R. Lukashin A. Artemieva N. Shuvalov V. Wünnemann K. POSTER LOCATION #524
Snow Compaction During the Chelyabinsk Meteorite Fall [1724]
Simulations of snow funnels (iSALE) demonstrate the capability of the material models to describe the penetration of projectiles into highly porous materials.