

Abstract Submitted
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Investigation of the size distribution of nanoparticles produced by Laser Ablation of Microparticles NATHAN ERICKSON, KAY HOFFMANN, JOHN KETO, The University of Texas at Austin — Theory has predicted that the size distribution of nanoparticles produced by the Laser Ablation of Microparticles (LAM) process will produce a distribution that follows the log-normal curve. The work that has been done recently in our group investigated for the first time the low end of the predicted log-normal distribution of the LAM process: an area of interest that has been previously eluded observation due to detector resolution. A Wiley-McLaren TOF mass spectrometer was used to detect smaller sized nanoparticles that are traditionally below the resolution of a TEM microscope.

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