

Abstract Submitted
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Atomistic and first principles studies of Si nanoparticles under pressure MARIA CHAN, Argonne National Laboratory, DANIEL HANNAH, Northwestern University, RICHARD SCHALLER, Argonne National Laboratory — In this talk, we will discuss the structural, optical and electronic properties of silicon nanoparticles under high pressure, obtained using a combination of classical molecular dynamics and first principles density functional theory calculations. The results will be corroborated with experimental findings.

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