Abstract Submitted
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**Quantum Geometry Phenomenology: Angle** SETH MAJOR — Using the loop quantum gravity approach to quantizing general relativity the phenomenology of an atom of space will be discussed. The combinatorics of the model of spatial geometry give deviations from flat space that are in principle detectable. The angle operator effects neither involve the Planck scale directly nor introduce violations of local Lorentz invariance in the usual sense. The effects will be discussed in the context of scattering experiments.

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