



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Mathematics Colloquium

November 2, 2023
3:30 - 4:30 p.m.
PH 332

Positive geometry

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Abstract. Positive geometries are topological spaces sitting inside algebraic varieties that generalize convex polytopes embedded in projective space. Examples of positive geometries appear in the study of total positivity, toric varieties, and configuration spaces. I will give a broad survey of the subject and the historical motivation coming from the study of scattering amplitudes in particle physics.