

Contribution ID: 7

Type: **not specified**

The hidden simplicity of scattering amplitudes (and of hydrogen)

Tuesday 14 April 2015 12:15 (45 minutes)

Physical systems with unexpected, or 'hidden', symmetries have often played a role in physics. I will argue that the symmetry responsible for the degeneracies of the hydrogen spectrum extends to a unique relativistic quantum field theory - a maximally supersymmetric ('N=4') cousin of the strong-interaction Yang-Mills theory. I will discuss how this is enabling its solution, and what this teaches us more generally about other theories

Presenter: Mr CARON-HUOT, Simon (Niels Bohr International Academy)