Contribution ID: **10**   Type: **Talk**

Scattering Amplitudes in Strongly Coupled N=4 Super Yang-Mills

Wednesday 10 October 2012 15:00 (30 minutes)

In this talk, I will investigate scattering amplitudes in strongly coupled N=4 Super Yang-Mills. To leading order, the amplitude at strong coupling is given in terms of a minimal surface in AdS5. The area of this surface can be calculated by a set of non-linear integral equations, which, however, do not allow an analytic solution for arbitrary kinematics.
I will demonstrate that for special kinematics these equations simplify drastically and become algebraic equations, which are closely related to algebraic Bethe ansatz equations.

Primary author: Mr SPRENGER, Martin (DESY)

Presenter: Mr SPRENGER, Martin (DESY)

Session Classification: Student session