



Sommerfeld Theory Colloquium

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The development of twistor geometry for the description of fundamental physics

I will review the basic definitions and ideas of the twistor programme for fundamental physics, as started by Roger Penrose around 1970. I will give particular attention to certain conformally invariant structures involving deformed helicities, relevant to scattering amplitudes for massless fields. These played a role in Penrose's earliest contour integral expressions, but have more recently been rediscovered and greatly developed as an approach to regularisation.

Wednesday, 14 January 2015, 16:15h, Room A348/349, Theresienstr. 37/III