

PAUL SCHERRER INSTITUT



Particle Theory Seminar

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“Application of unitarity-cut methods:
the six-photon amplitudes”

Tuesday (!), February 26, 2008, 11:00 (!)

WBGB/021 (!)

Abstract:

In this talk, we apply a new method to calculate the six-photon amplitudes at one loop. This method is based on unitarity-cut techniques. We obtain analytical results in massless QED, scalar QED and supersymmetric $N = 1$ QED. The amplitudes display Landau singularities which we study in some details. We then extend the method to a massive loop, and we present some results.