

# Yukawa scattering treated by the Quantum dynamical principle

*Tuesday, 22 May 2018 15:45 (15 minutes)*

Yukawa scattering is pedagogically interpreted, by the Schwinger's quantum dynamical principle involving the generating function, which is replaced by a functional differential operation. As for the results, we get the asymptotically free Green function that explains the behavior of the Yukawa potential when the mass parameter is increasing. And it can also lead to scattering amplitude and differential cross section respectively.

**Primary author:** Mr PHONCHANTUEK, Anajak (The institute for fundamental study, Naresuan University)

**Co-author:** Dr SUKHASENA, Seckson (The Institute for Fundamental Study, Naresuan university)

**Presenter:** Mr PHONCHANTUEK, Anajak (The institute for fundamental study, Naresuan University)

**Session Classification:** A012: High Energy Physics (Poster)

**Track Classification:** High Energy and Particle Physics