**Seminar: YANG Gang -- Color-kinematics duality and double-copy of form factors (Jan 4th, 2022)**

**Title: Color-kinematics duality and double-copy of form factors**

**Speaker: YANG Gang (杨刚)**

**Affiliation: Institute of Theoretical Physics, Chinese Academy of Sciences**

**Time: 14:00-15:30, Tuesday, Jan 4th, 2022 (UTC+8, Beijing Time)**

**Venue: Zoom Meeting**

**Inviter: Jiang Yunfeng**

**Abstract**  
Recent studies of scattering amplitudes reveal an intrigue duality between color and kinematics. This color-kinematics (CK) duality also indicates a deep connection between gauge and gravity theories via the so-called double copy. In this talk, I will first give an introduction to the CK duality and the double-copy picture, then I will discuss some new progress on the high-loop CK-dual solutions and the double-copy prescription for form factors.

**About the Speaker**

杨刚，于2004年获上海交通大学本科学位，2009年获中国科学院理论物理研究所博士学位，随后于2009年至2016年间曾先后在英国伦敦大学玛丽女王学院，德国汉堡大学及德国柏林洪堡大学从事博士后研究。2016年起至今，在中国科学院理论物理研究所任副研究员、研究员。他的主要研究领域为量子场论，弦理论和数学物理。近期研究兴趣包括高圈散射振幅的计算，形状因子和自旋链，全息对偶，以及规范场和可积系统的联系等。

The seminar will be broadcasted online by Zoom.

Interested people are free to join, without registration in advance.

The Zoom info is

URL: [https://us02web.zoom.us/j/3854420225?pwd=SXY4eWJKOTBFZWJDaE16aXpTamY1QT09](https://us02web.zoom.us/j/3854420225?pwd=SXY4eWJKOTBFZWJDaE16aXpTamY1QT09" \o "https://us02web.zoom.us/j/3854420225?pwd=SXY4eWJKOTBFZWJDaE16aXpTamY1QT09)

Meeting ID: 385 442 0225

Passcode: yauc

Dear all,

There will be a seminar by YANG Gang(杨刚), full researcher from Institute of Theoretical Physics of Chinese Academy of Sciences, at 14:00-15:30 on the 4th January, 2022 via Zoom Meeting. The title is “Color-kinematics duality and double-copy of form factors”. Please see more details on the website and feel free to attend. Thanks.

https://yauc.seu.edu.cn/2021/1227/c27642a395846/page.htm