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The 91st HENPIC seminar by Prof. Jian Zhou (周剑), Shandong Univ. (山东大学)，Feb.17, 2020, Monday, 10:30am (Beijing time)

Title: Probing the linear polarization of coherent photons in heavy ion collisions

Abstract:

We propose to measure the linear polarization of the external electromagnetic fields of a relativistic heavy ion through azimuthal asymmetries in dilepton production. I will also show that the linearly polarized photons can be used as a powerful probe to study QCD phenomenology in UPCs.