

Abstract Submitted
for the OSF20 Meeting of
The American Physical Society

γ +Jet **Measure-**
ments at the RHIC Facility¹ ANNIKA EWIGLEBEN, Lehigh University —
Jets recoiling from a direct-photon have long been seen as a golden probe of the
quark gluon plasma created in relativistic heavy ion collisions, due to the ability to
tightly constrain the initial hard scattering kinematics. Until recently, the ability to
measure this channel and the ensuing observables at RHIC were largely statistics-
limited, owing to the small cross-section of direct photon production compared to,
for example, the more abundant di-jet cross-section. In this talk, we will discuss the
details of gamma-jet measurements at RHIC, with a brief review of measurements
from PHENIX and STAR and a view towards sPHENIX.

¹Work supported by NSF Grant No. 1913696

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Date submitted: 05 Oct 2020

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