



Contribution ID: 41

Type: **not specified**

Mapping photocathode quantum efficiency with ghost imaging

Wednesday, May 12, 2021 6:45 PM (20 minutes)

Electron ghost imaging has been established as a viable method that allows for advantages over traditional methods, such as making use of compressed sensing and a resolution increase from Fellgett's Advantage [1]. It has been applied to passive photocathode quantum efficiency mapping [2] and improving resolution within this context is discussed.

[1] S. Li, F. Cropp, K. Kabra, T.J. Lane, G. Wetzstein, P. Musumeci, and D. Ratner, Phys. Rev. Lett. 121, 114801 (2018)

[2] K. Kabra, S. Li, F. Cropp, Thomas J. Lane, P. Musumeci, and D. Ratner, Phys. Rev. Accel. Beams 23, 022803 (2020)

Presenter: CROPP, Eric (UCLA)

Session Classification: Virtual Diagnostic