



PCTS Virtual Conference:
Charged Particle Radiography in High-energy-Density Laboratory Plasmas
January 25-28, 2021

Organizing Committee: Derek Schaeffer (Chair), Archie Bott and Will Fox

Scientific Program Committee: Marco Borghesi, Kirk Flippo, Julian Fuchs, Chikang Li, Hye-Sook Park, Petros Tzeferacos, and Louise Willingale

Charged particle radiography has become a vital component of high-energy-density (HED) plasma experiments and is transforming our understanding of electromagnetic fields in HED plasmas. Over the past few years, there has been tremendous growth in our understanding of how to quantitatively analyze particle radiographs, providing both detailed theoretical descriptions and numerical algorithms of the inversion process that allow far more information to be extracted from data than was previously possible. This PCTS workshop aims to provide a platform to widely disseminate recent improvements in quantitative analysis, as well as stimulate discussion between experiment and theory. Research areas to be discussed include: 1) theory and numerical implementation of inversion techniques, 2) recent experimental results and diagnostic techniques, 3) analysis of turbulent and large-field plasmas, and 4) frontier topics in particle radiography.

FREE, but REQUIRED REGISTRATION is available [HERE](#).

Zoom Link will be provided after registration.