

Abstract Submitted
for the DAMOP20 Meeting of
The American Physical Society

Numerical studies of cross correlation analysis of excited states.¹
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experiments the pumping laser excites a quantum system to a linear combination
of excited states before it is tested by a second probe pulse. Observables such as
ionization measured at various relative delays can be used in order to gain infor-
mation about excited states of these systems. We apply numerical solutions of the
time-dependent Schrodinger equation using a basis state method to analyze such
scenarios.

¹This work was supported primarily by DOE-BES (SW, AB; Award No. DE-
SC0001771) and by NSF (AJB; Grant No. PHY-1734006).

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Date submitted: 31 Jan 2020

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