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Lifetime and Branching Fraction Measurements for PII

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Lifetime and branching fraction measurements using foil excitation of a
fast ion beam are reported for transitions within the $3s^2 3p^2 - 3s^2 3p4s$
multiplet in P II. The studies were undertaken to test theoretical and
semiempirical calculations which suggest that branching fractions within
this multiplet can be accurately specified from intermediate coupling
amplitudes deduced from measured energy level data. The results and
their possible use as a much-needed intensity calibration standard in the
vacuum ultraviolet wavelength region will be discussed.

Prefer Oral Session
 Prefer Poster Session

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