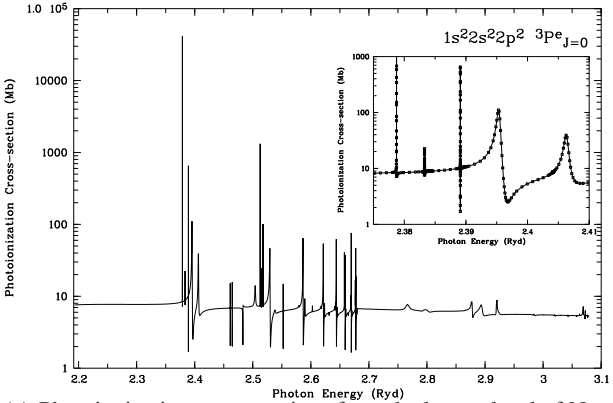
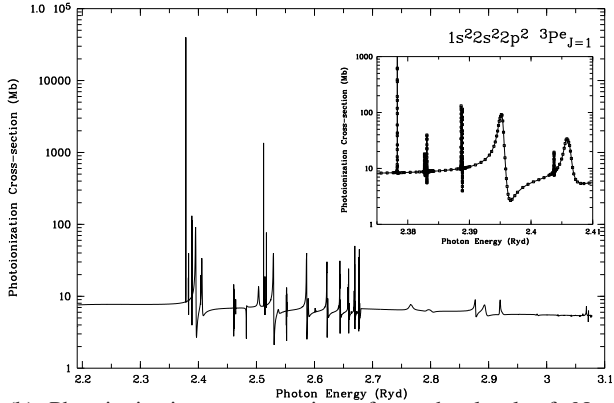
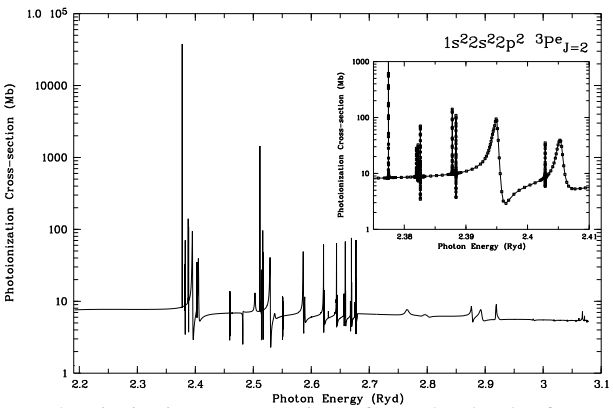


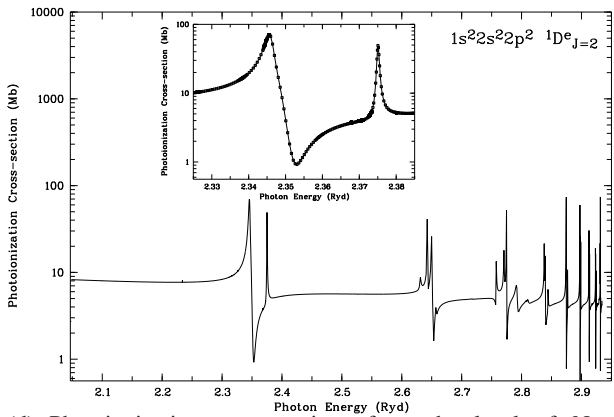
(a) Photoionization cross-sections from the lowest level of N II: $2s^2 2p^2\ {}^3P^e_{J=0}$.



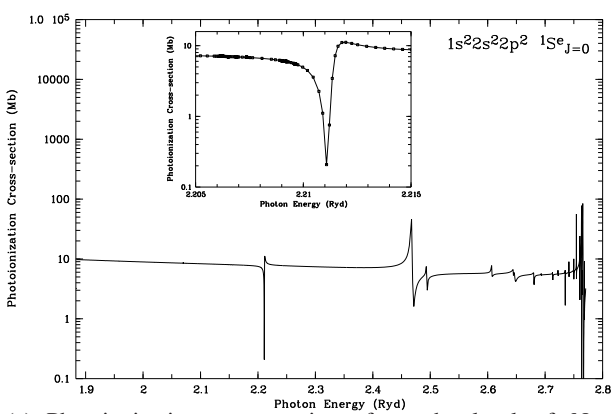
(b) Photoionization cross-sections from the level of N II: $2s^2 2p^2\ {}^3P^e_{J=1}$.



(c) Photoionization cross-sections from the level of N II: $2s^2 2p^2\ {}^3P^e_{J=2}$.



(d) Photoionization cross-sections from the level of N II: $2s^2 2p^2\ {}^1D^e_{J=2}$.



(e) Photoionization cross-sections from the level of N II: $2s^2 2p^2\ {}^1S^e_{J=0}$.