RYDBERG STATE SPECTROSCOPY OF BORON HYDRIDE RADICALS.

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Ionization detected electronic absorption spectra of radical boron hydrides will be reported. BH$_6$ radicals are produced by ArF (193 nm) photolysis of B$_2$H$_6$ in a supersonic pulsed-jet. Ions are mass-resolved and detected using a time-of-flight mass spectrometer. Various Rydberg states of BH and BH$_2$ will be discussed.