



Figure 5: Main parts of the apparatus. A YAG laser, steering prisms, a focusing lens, a vaporization cluster source, a mechanical chopper, skimmers, collimators, electric deflection plates, a scanning slit, an excimer laser for ionization and a time of flight mass spectrometer. The length of the apparatus is about 3 m from the focusing lens to the UV window. Pressures are 10^{-2} Torr in the first chamber and 10^{-9} Torr in the mass spectrometer.