

multiphoton ionization

in mass spectrometry

Occurs when an atom or molecule and their concomitant ions have energy states whereby the energy in two or more photons is absorbed.

Source:

PAC, 1991, 63, 1541 (*Recommendations for nomenclature and symbolism for mass spectroscopy (including an appendix of terms used in vacuum technology). (Recommendations 1991)*) on page 1548