Recent results for electron scattering from biomolecules and molecules formed due to plasma treatment of biomass
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We have been concentrating our recent experimental studies, for determining absolute cross sections, on both biomolecules (e.g. pyrimidine and benzoquinone) and molecules that result when biomass undergoes treatment by plasmas (e.g. phenol and furfural). All this work was supported and informed by computations from the Brazilian SMC groups and the Madrid IAM-SCAR group. A major rationale for these investigations was to provide cross section data for relevant modelling studies, and in this talk I will also present some results from those modelling studies. Possible further investigations will be canvassed in this presentation. Work done in conjunction with: D. B. Jones, L. Campbell, R. D. White, S. J. Buckman, M. A. P. Lima, M. C. A. Lopes, M. H. F. Bettega, M. T. do N. Varella, R. F. da Costa, G. García, P. Limão-Vieira, D. H. Madison, O. Ingólfsisson and many other friends and colleagues.