

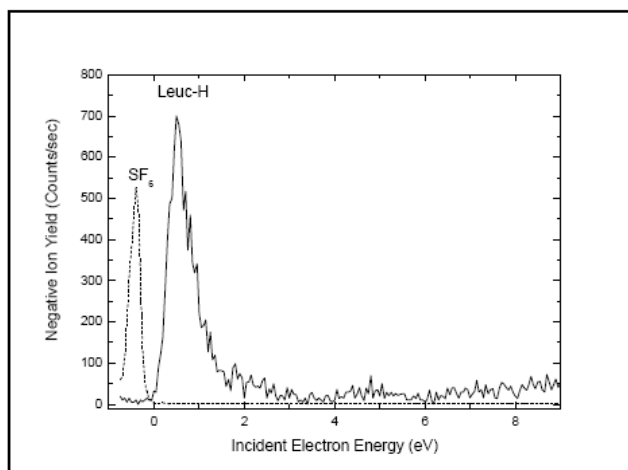
Scientific Report after completing the Short Term Mission

COST Action Number: CM0601

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The scientific mission has been carried out from the 30rd of March to the 3rd of April 2009 at Prof. Illenberger's group (at the Institute für Chemie-Physikalische und Theoretische Chemie Berlin, Germany). The objective of this collaborative work has been to investigate the mechanism of fragmentation of leucine amino-acid induced by low energy (< 10 eV) electrons impact in the gas phase. The experiments have been performed with the Berlin's gas phase crossed electron-molecule beams apparatus.

We have observed the ability of such electrons to damage the amino-acid by producing a dehydrogenated ion as the predominant channel (see figure) as well as other fragments.



The data obtained from this successful collaborative work will be presented at the next ECCL09 meeting and an article is presently in preparation.