



Cometary organic matter in view of future Rosetta/COSIMA analysis

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With the forthcoming encounter of the Rosetta Mission with its target comet 67P/Churyumov-Gerasimenko in 2014 and 2015, cometary dust grains will be collected and analyzed with the secondary ion mass spectrometer instrument COSIMA in the vicinity of the comet nucleus. The identification and classification of organic compounds expected to be present in cometary grains are discussed based on the laboratory work carried out currently with the COSIMA instrument reference model.