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## Status of the Bucharest AMS facility

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Present status of the accelerator mass spectrometer (AMS) facility at Bucharest “Horia Hulubei” – National Institute for Physics and Nuclear Engineering is described. Since the radiocarbon dating measurements are playing an important role in our laboratory activity, an inter-comparison test had to be performed in order to estimate the overall performance in this type of measurements. The SIRI (Sixt International Radiocarbon Inter-comparison) proficiency trial samples have been chemically processed and measured at our HVEE 1 MV Tandetron AMS machine. Given the variety of the samples nature, which included bones, wood, carbonates, charcoal and humic acid, this exercise revealed also our laboratory capabilities in sample preparation techniques. The final conclusions of the SIRI archive sample dating are presented.

**Primary author:** SAVA, Tiberiu Bogdan (IFIN-HH)

**Co-authors:** Ms STEFAN, Bianca (IFIN-HH); Mr CALINESCU, Catalin (IFIN-HH); Dr SIMION, Corina Anca (IFIN-HH); Dr GHITA, Dan Gabriel (IFIN-HH); Mr PACESILA, Doru (IFIN-HH); Ms STANCIU, Iuliana (IFIN-HH); Mrs GAZA, Oana (IFIN-HH)

**Presenter:** SAVA, Tiberiu Bogdan (IFIN-HH)

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