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An E-learning Tool as Living Book for Knowledge Preservation in Neutron Activation Analysis

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Neutron activation analysis (NAA) is one of the most common activities in research reactors, irrespective of their power size. Although being a well-established technique, it has been observed that retirement and/or departure of experienced staff often results in gaps in knowledge of methodological principles and metrological aspects of the NAA technique employed, both within the remaining NAA team and for new recruits. Existing books are apparently not sufficient to timely transfer the knowledge on the practice of NAA. As such, the IAEA has launched a project resulting in an E-learning tool for NAA, consisting of lecture noes, animations, practical exercises and self-assessments. The tool includes more than 30 modules and has been reviewed and tested during an IAEA workshop by experienced and new coming practitioners. It is expected that the tool will be developed as a 'living book'which can be permanently updated and extended and serve as an archive, fostering unpublished experimental experiences.

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