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## **(Re)Development of IDC software for particulate and HPGe noble gas analysis**

The automated particulate and HPGe noble gas analysis engine, Autosaint, has been in use at the IDC for over a decade. This code is one of the last remaining radionuclide processing algorithms written in C, with all other key applications either developed in or ported to Python 3. For long-term maintainability and consistency, the functions performed by this module will be redeveloped and implemented in Python. This presentation will show the requirements, technical considerations, planned features and functions of the new analysis engine currently under development in the IDC.

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