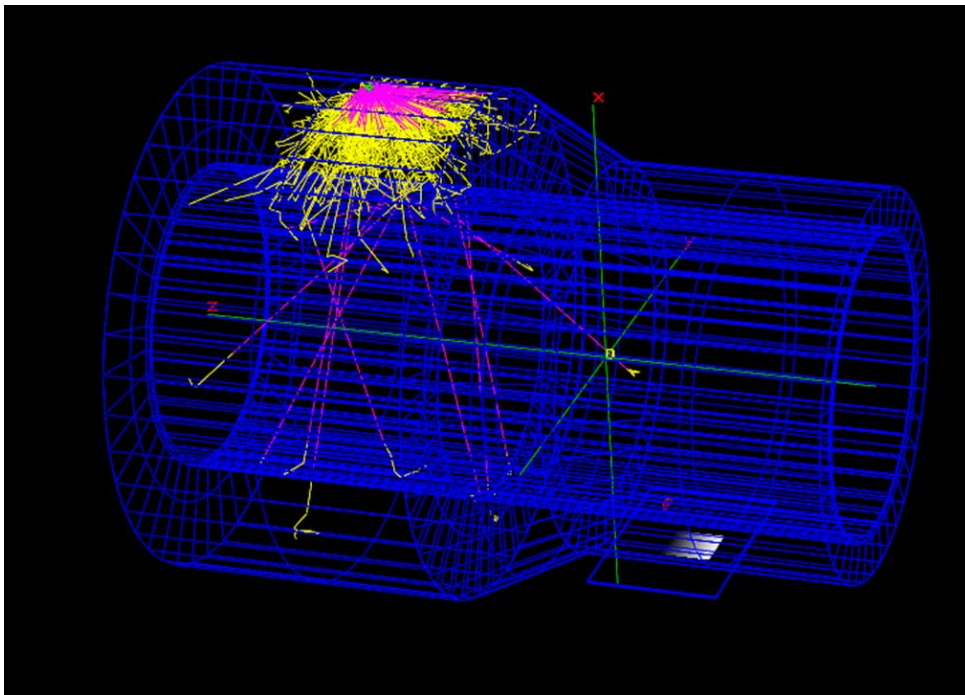
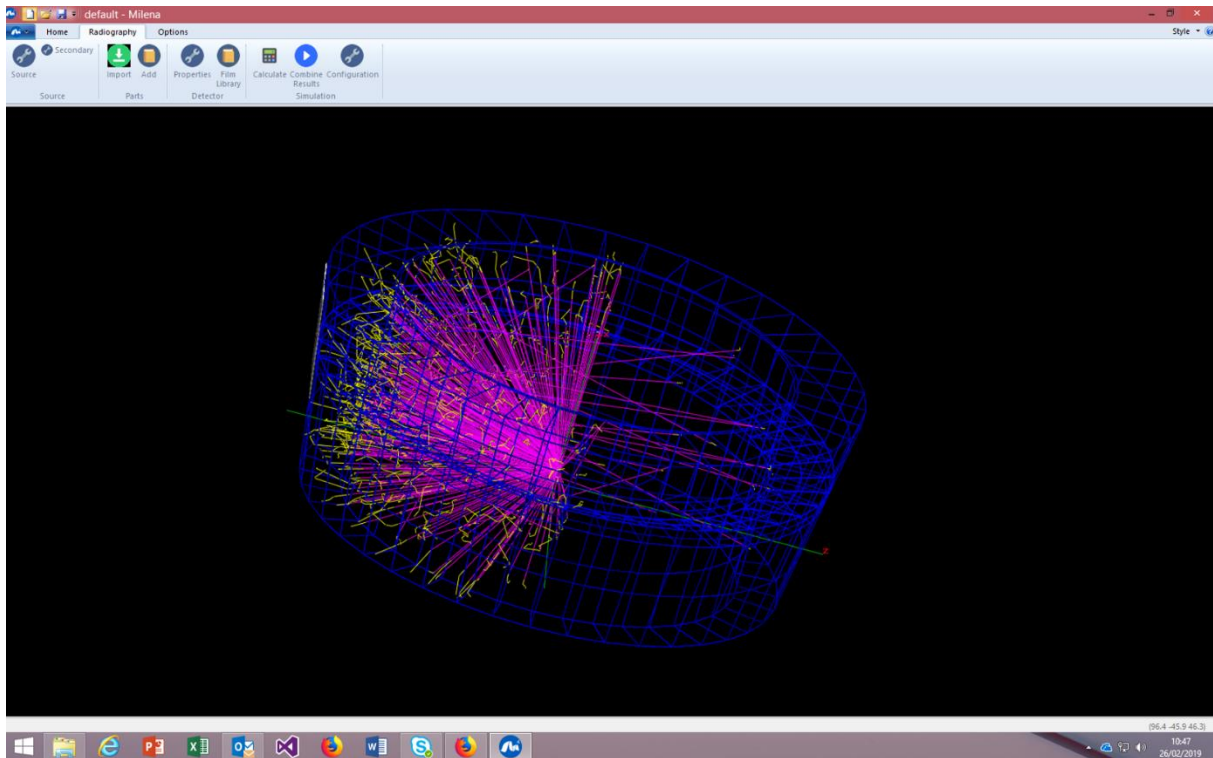


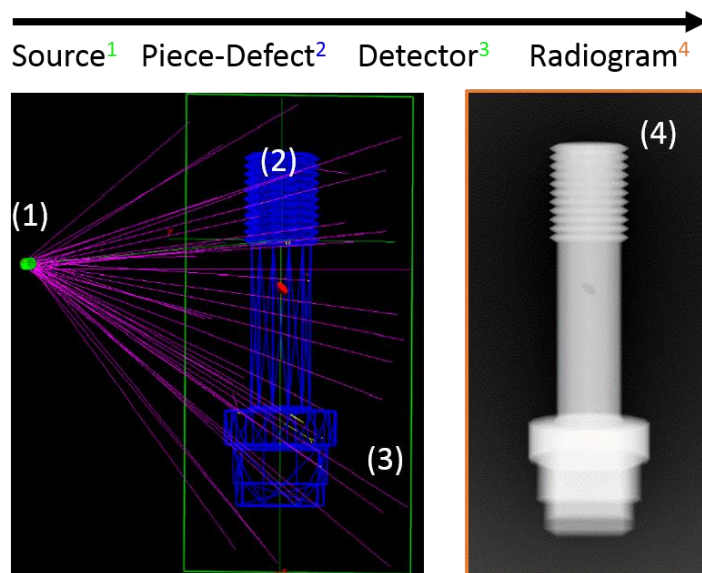
MODERATO: the EDF industrial radiography modelling software.

- Monte Carlo model developed by EDF
(with accurate build-up calculation for large wall thicknesses)
- Isotope and X-ray sources
- Silver films and phosphor imaging plates as detectors
- Also integrated into the CIVA platform
- Windows PC version and HPC versions available





MODERATO is a software package for the computer modelling of industrial radiography from source to radiogram. It combines Monte-Carlo and straight line attenuation models with an intuitive user interface, making radiography modelling an accessible tool on a personal computer. However, as with all simulation programs, a thorough understanding of the inner workings of MODERATO is necessary to fully exploit the package.



A large choice of possibilities are available in the software:

- You can build your scene geometry with the CAO module or import it from a CAO software.
- You can choose your source (gamma sources, X-tubes or LINAC) between the pre-implemented ones or bring your own.
- You can choose your detector (cartridge, film type) between the pre-implemented ones or bring your own.

- You can visualize your radiogram and see the influence of scattered/direct ratio or noise on the visibility of the defect. Visibility is also quantified by numerical indicators developed by EDF and its partners.
- You can export the radiogram image in .tif format for using it in another image post-processing software.

