RayXpert®
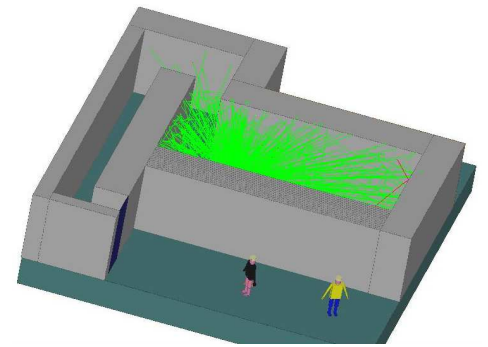
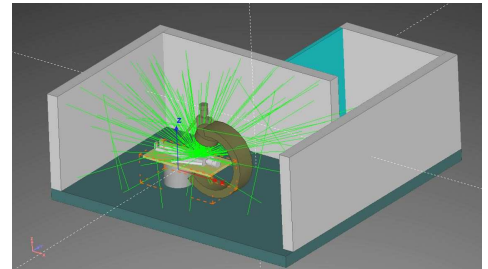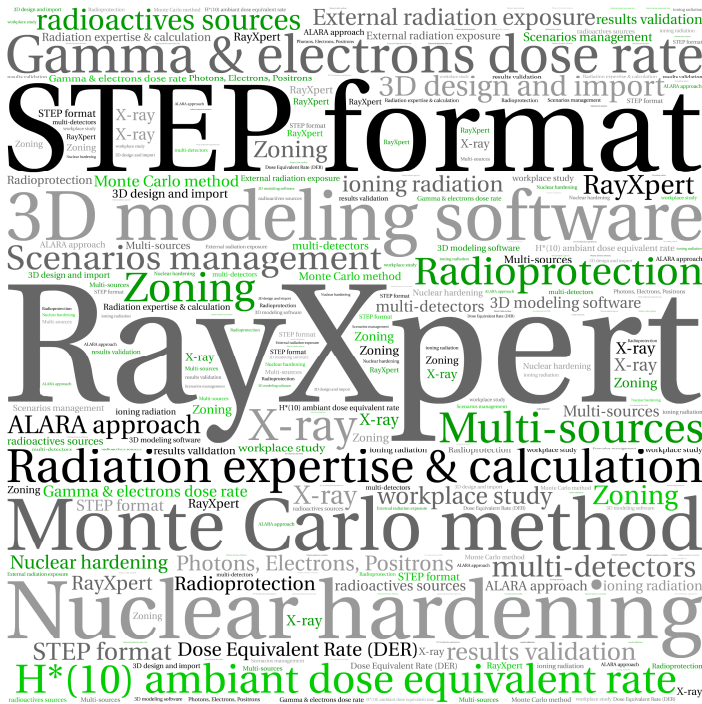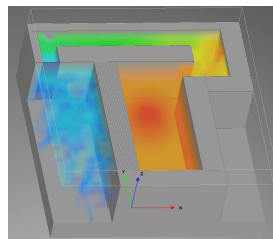## 3D modeling software for dose rates calculation

Our solution

User-friendly 3D modeling software that calculates gamma and e⁻ dose rate by Monte Carlo:

- **3D Import & Design:** Direct use of standard CAD models incl. CATIA, SolidWorks, Pro-E, AutoCAD, etc
- **Material & radioative sources**: Pre-defined list (NIST & EAF) and Intrinsic material and source definition
- **Calculation by Monte Carlo method** for photon, electron & positron transport (based on GEANT 4 process)
- **Multi-source and multi-detector:** Several sources and detectors can be simply and simultaneously defined
- **Results validation**: Particles transport through different materials and for several sources (Co, Cs, Eu,etc.)

What for?

- Dosimetry calculation
- Energy deposition calculation
- Radiation protection optimization
- Zoning assessment by ALARA approach
- Pre-sizing and sizing of concrete walls of nuclear buildings

Your benefits

Great time saving on 3D modelization ☻ by direct STEP format import

Effectiveness of Monte Carlo method ☻

Powerful decision-support tool ☻

Friendly interface, easy handling ☻

For more info, please visit:
www.rayxpert.com