

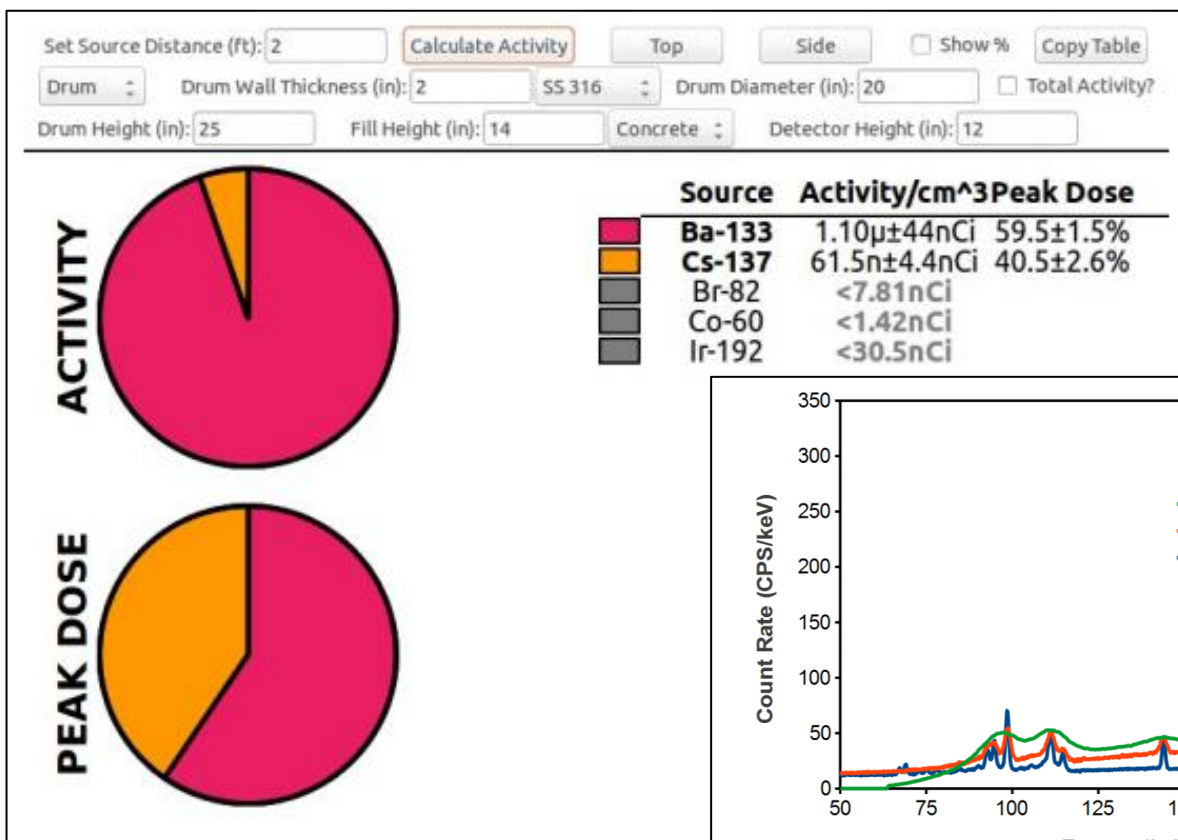
## Features

- ✓ Isotope Identification and Quantification
- ✓ Quantification of distributed sources
- ✓ Calculates total source activity and specific activity
- ✓ Compatible with H-, S-, and P-series detectors
- ✓ User-specified geometries and materials
- ✓ Model pipe, drum, sphere, box, and wall geometries
- ✓ Display modeled geometry
- ✓ Simple interface
- ✓ Fast activity calculation

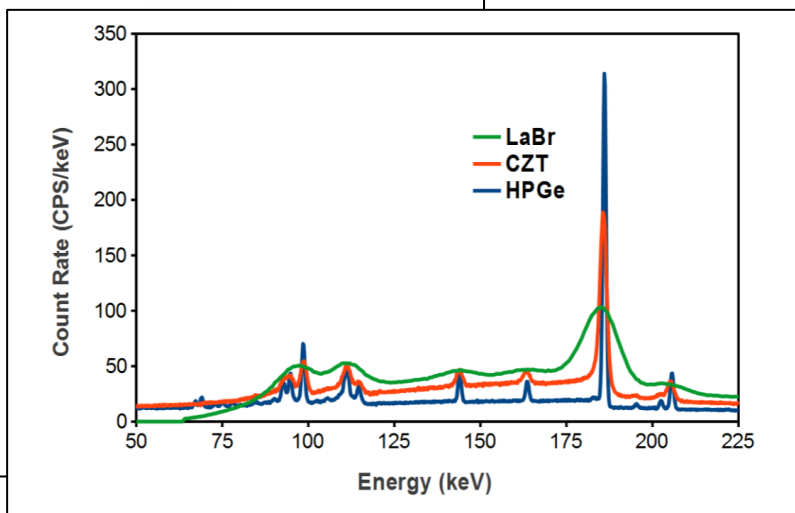
H3D Visualizer with SourceTerm adds additional capabilities to the Visualizer software included with H3D detectors. It is the gateway to advanced quantification, without the need for HPGe.

SourceTerm's innovative algorithms discretize sources over surfaces or volumes, producing accurate quantification of sources in standard geometries, even with shields and distributed sources. This can be useful for:

- Waste characterization and management
- Plant radiochemistry measurements
- NORM quantification and classification



SourceTerm Interface



Comparison of LaBr, CZT, and HPGe spectra from reactor-grade uranium, measured at IAEA

## About H3D, Inc.

H3D® is commercializing CZT-based 3D radiation-imaging technologies for nuclear power plant, defense & homeland security, and medical applications. Our team has over 100 years of combined experience in Compton Imaging, CZT readout, and system integration. We are employee owned, market-driven, and committed to providing our customers with the highest performance and most user-friendly instruments possible.

## Visualizer with SourceTerm Specifications

Operating System:	Windows XP, Vista, 7, 8, or 10
Minimum Available RAM:	300 MB
Minimum Available Storage:	100 MB
Executable Size:	< 20 MB
Licensing:	Licensed to detector Unlimited PC-specific keys provided for all users
Installation:	None required; MSI available
Visualizer Integrations:	Microsoft Word; Microsoft Excel
Languages:	English, Chinese, Russian; others available on request
Compatible Detectors:	H3D H-, S-, and P-series detectors
Efficiency Curves:	Model curves included; detector-specific cal. sold separately
Isotope Library:	Select from 3573 ENDF isotopes
Geometries:	Pipe, drum, sphere, box, wall
Unit System:	SI or US customary
Updates:	Provided with detector warranty



Examples of environments for which SourceTerm can provide quantitative results (clockwise from top left): a P100 measuring a sample in a waste drum; a H420 measuring waste in a bin at a power plant; a P100 measuring concentration in a pipe.



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