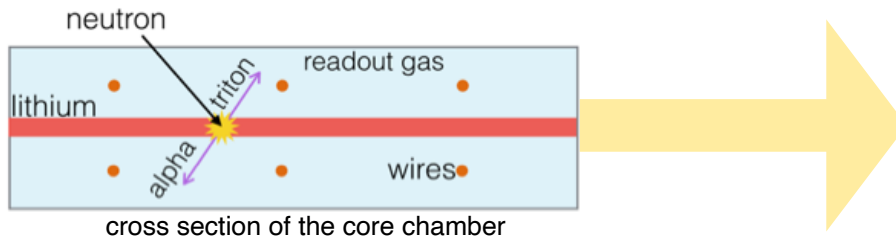


# Silverside Neutron Detection Chambers

## NDC-1000 SERIES

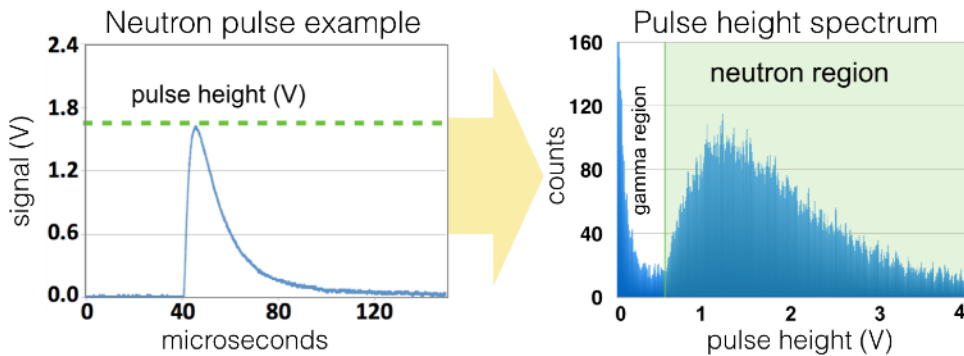
Low cost-per-count, high sensitivity neutron detection

Designed to maximize the neutron sensitivity per dollar, Silverside systems provides scalable, sensitive, long-life detection in a plug-and-play-ready format. The modular design uses enriched Li-6 metal suspended within a hermetically sealed chamber and a simple, threshold based read-out. The design is IP67 rated and ruggedized for un-interrupted performance in harsh climates.



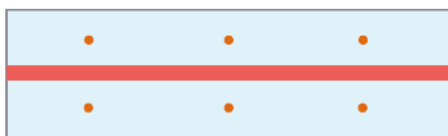
cross section of the core chamber

**How it works:** A foil of Li-6 isotope converts neutrons to other detectable particles (an alpha and triton). These particles ionize the chamber gas, and electrons produced are detected by system electronics and delivered as neutron detection events.

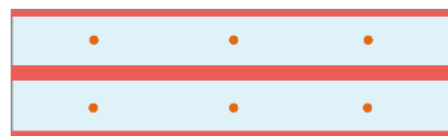


Core 2" x 8" x 36" chamber

The core chambers come in two performance levels, **Standard** and **Plus**:



**Standard**, single central lithium layer



**Plus**: central lithium layer plus top and bottom cathode lithium layers

