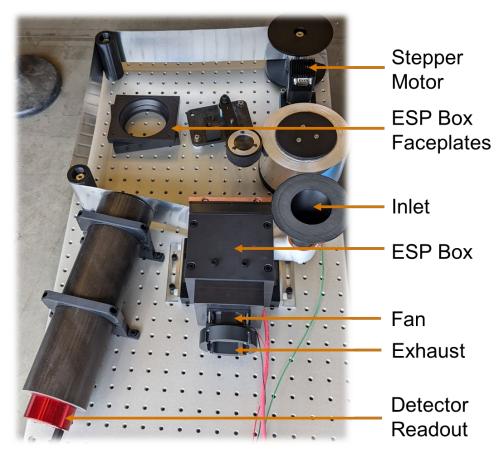


A small, portable electrostatic precipitation-based radio-aerosol monitor

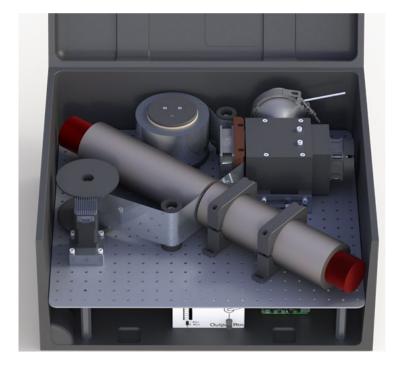
Martin Keillor, M. Moore, J. Ely, G. Grabeel, T. Hallen, J. Johnson, D. Kasparek
Pacific Northwest National Laboratory





Lab prototype testing was performed to investigate construction of a portable, low-power collection and measurement system

- A portable, low-power electrostatic precipitation-based monitor has the potential for solar/battery operation
- A portable monitor of this type would provide capability to measure radioactive plumes at closer proximity to the source
 - Also useful if plume track will take extended time period to reach fixed-site monitoring stations



Render of portable radioaerosol collection and measurement; system build is underway at PNNL