

## Plasma Mass Spectrometry Facility: Doherty ICPMS Tutorials

The Doherty Tutorials are aimed at introducing students and postdocs to ICPMS technology. Funding for this initiative was provided through a Doherty Chair in Education to B Peucker-Ehrenbrink by the WHOI Academic Programs Office.

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### Related Files

» [Doherty Tutorial #1](#)

This tutorial introduces users to the basics of mass spectrometry with special focus on ICPMS. Hardware (ion source, mass analyzer, ion detection), principles of ion formation, mass/charge separation and ion detection, as well as corrections (dead time, fractionation) and analytical uncertainties are covered.

» [Isotope Ratio Measurements](#)

This set of handouts (2 per page) deals with issues that come up whenever a new isotope system is being developed.

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