



Contribution ID: 69

Type: not specified

PO33 - Importance of first response learned from a water leak trouble in vacuum

Tuesday, 12 September 2023 15:10 (20 minutes)

“Cooling water leakage occurred in the vacuum chamber of an ECR ion source. It has taken plenty of time to determine the cause of the pressure increase and realize the cooling-water leakage in the vacuum chamber, because there were a lot of possibility to cause the pressure increase, such as a vacuum leak from air and the gas lines. The delay time to realize the water leakage led to spreading damage. We totally took three weeks to recover the performance of the ECR ion source. In this trouble, we confirmed that, to reduce the damage caused by the water leakage in the vacuum chamber, we need to develop a method to notice the water leakage by using a quadrupole mass spectrometer.”

Presenter: FUKUSHIMA, Keita (AEC)

Session Classification: Poster / Demo Sessions