

山形大学高感度加速器質量分析センターの現状 Present status of YU-AMS

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Yamagata University (YU) installed an AMS (YU-AMS) system in the Kaminoyama Research Institute to meet the requirement of ¹⁴C AMS for microdosing and medical studies as well as that of radiocarbon dating in the same facility. An automated graphitization line was also installed in the same research institute for sample preparation. This AMS system is the first AMS system installed in a university in north Japan (Tohoku-Hokkaido region). The facility also provides radiocarbon dating for samples from other universities, institutes and public organizations. Currently, we are planning to install a second new ion source and an automated graphitization line until March in 2014. In this paper, we describe the status of the YU-AMS system.

キーワード: AMS, マイクロドーズ
Keywords: AMS, microdose

