

Radiocarbon pretreatment system of AORI AMS

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The Accelerator Mass Spectrometry(AMS)is effective in radiocarbon dating. By the conventional method, a large tandem accelerator(e.g.Accelerating voltage = 5MV) was used. However, the small accelerator(e.g.Accelerating voltage = 500kV) is used in the new AMS analysis.

The small AMS machine is handy.We installed small AMS machine in our laboratory. We will present the outline of new AMS pretreatment system and the geochemical application research using that.

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