

Absolute age dating for cultural heritage based on radiation physics

Myung-Jin Kim¹

¹Archaeological Science Institute, RADPION Inc.

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A representative field of research using radiation in archaeological and cultural properties research is absolute dating. This is because revealing at what point in the past ancient relics and cultural properties were produced is a part that must be preceded in studying material data accompanying human cultural activities. In archeology, a specific logical frame related to the passage of time is called chronology. In particular, the absolute date calculated through the absolute dating method becomes the basic framework for clarifying the past culture and understanding humans and human groups. As for the absolute dating method applied to the study of archaeological and cultural properties, various methodologies exist depending on the type of physical quantity related to time. In Korea, since 1958, various absolute dating methods have been applied for the absolute dating of ancient artifacts and cultural properties - OSL dating and archeo-magnetic dating. This study intends to introduce representative absolute dating studies conducted on Korean ancient relics and cultural properties and their meaning. Through this, it is expected that fusion and complex research using radiation in archaeological and cultural property research will become more active.



한국원자력연구원
Korea Atomic Energy Research Institute

