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Schematic diagram of irradiation experiments with an Am-Be neutron source on molten fluoride salt FLiNaBe (LiF-NaF-BeF<sub>2</sub>). Molten fluoride salt is a candidate of tritium breeder/coolants for a fusion blanket system. Stable and long-term irradiation experiments on molten fluoride salts can be conducted with the Am-Be neutron source. The behavior of tritium released from molten FLiNaBe with a large time constant has been examined by monitoring the amount of tritium until the release rate reached a steady state. (Kohki KUMAGAI *et al.*, Plasma and Fusion Research, Vol. 14, 1405044 (2019) <http://www.jspf.or.jp/>)



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