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**HANARO Irradiation Test of UAlx Dispersion Target
Developed by KAERI**

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ABSTRACT

KAERI has been developing LEU dispersion target for its supply to new research reactor, Kijang research reactor, aimed for producing Mo-99 in Korea. Therefore, irradiation test of half-cycle (about 7~10 days) on LEU dispersion target developed and fabricated by KAERI will be conducted at HANARO on this December to verify its soundness and safety. In addition, PIE on LEU dispersion target is scheduled to produce data which will be used to get a production permission from our regulatory body. In this paper, preparation on LEU dispersion targets irradiated at HANARO will be introduced and explained. UAlx Raw material for dispersion target was fabricated by centrifugal atomization technology. Total 12 target plates were fabricated and inspected. Among them, 2 plates were used to check the cladding thickness of fabricated target and 6 plates will be used to HANARO irradiation test.