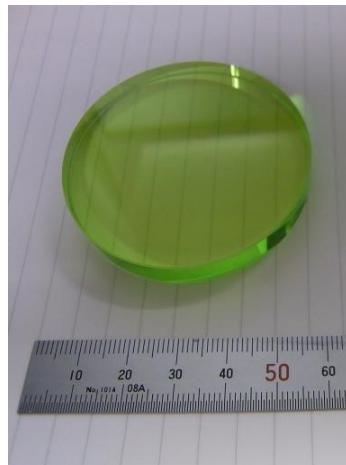


Investigation of lanthanide-doped APLF scintillators for neutron detection

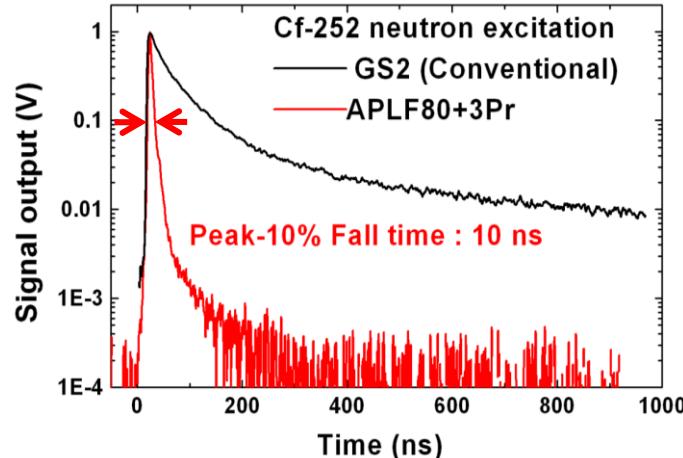
T. Shimizu, et al. Institute of Laser Engineering, Osaka University, Osaka, Japan

New ${}^6\text{Li}$ scintillator

- Fluorescent ion : Pr (3+)
emission 250 nm
(lifetime $\tau \propto \lambda^3$)
- Host : LiF glass
(UV transparent)



Sealed neutron source



DS neutrons signal in GEKKO XII fusion experiment

