

Abstract Submitted  
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**Measurement of heating beam injection time in Fast Ignition experiment with Gekko-XII and LFEX lasers** HIROYUKI SHIRAGA, TAKEHIRO SOGO, SHINSUKE FUJIOKA, HIROSHI AZECHI, Institute of Laser Engineering, Osaka University — Fast Ignition integrated experiments have been performed with Gekko-XII laser for implosion of the shell target and LFEX laser for fast heating through the cone. Injection time of the heating beam relative to the core plasma formation was precisely observed with accuracy within 7 ps by using non-imaged hard x-ray signals on an streaked x-ray images. It was found that the time window of injection time for efficient neutron enhancement was only 50 ps around the peak compression of the imploded core plasma.

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