



1. Title:	Development of low-density target for high efficient EUV Generation
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3. Abstract body:

In the present paper, we introduce fabrication methods of density-controlled tin, lithium and xenon targets to generate relatively high efficient EUV. Various template methods have been found to control density, poresize, target area etc. These targets are used directly or so-called punch out target. In the case of direct irradiation, we found EUV divergence control based on target surface morphology. The pore of low density tin can be filled by lithium to obtain lithium-tin composite with tuned grain size. As for xenon, porous targets were fabricated from liquid xenon through an optimized nozzle.

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