

## Supplement Information

### **Growth of 60-mm-diameter Yb:CNGG single crystal with disordered coordination structure towards high-energy laser systems**

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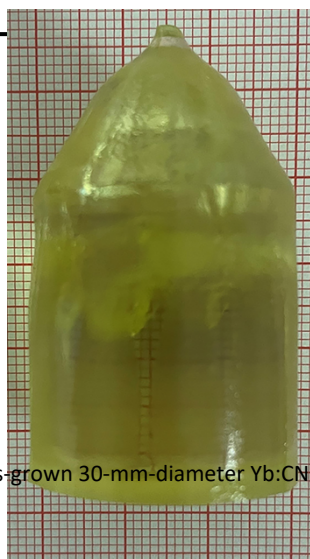
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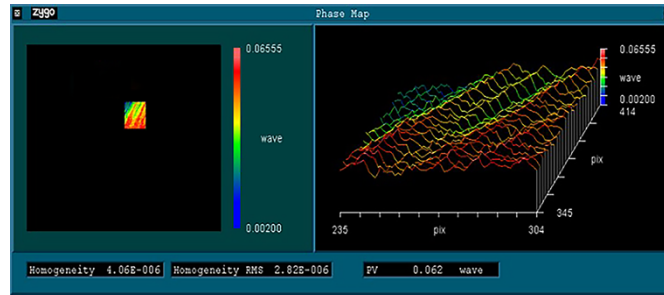
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**Table S1** Data collection and refined parameters of Yb:CNGG crystals

<b>Yb:CNGG</b>	
space group	<i>Ia-3d</i>
unit cell dimensions (Å)	$a = b = c = 12.4945(10)$
	$\alpha (^{\circ}) = \beta = \gamma = 90$
cell volume (Å <sup>3</sup> )	1950.55(5)
Z	8
temperature (K)	293(2)
crystal size (mm <sup>3</sup> )	0.164×0.087×0.057
radiation	Mo $K_{\alpha}$
2 $\theta$ range for data collection (°)	7.990-54.820
index ranges	$-16 \leq h \leq 11, -16 \leq k \leq 11, -15 \leq l \leq 16$
reflections collected	2751
goodness-of-fit on $F^2$	1.046
<i>R</i>	0.0178
<i>R<sub>w</sub></i>	0.0558



**Fig. S1.** As-grown 30-mm-diameter Yb:CNGG crystal.



**Fig. S2.** Optical uniformity analysis of Yb:CNGG crystal (3×3 mm<sup>2</sup>).