

# VU Research Portal

## **Spectrally Resolved Extreme Ultraviolet Lensless Imaging With High Order Harmonic Generation Sources**

Liu, Xiaomeng

2024

**DOI (link to publisher)**

[10.5463/thesis.729](https://doi.org/10.5463/thesis.729)

**document version**

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

**citation for published version (APA)**

Liu, X. (2024). *Spectrally Resolved Extreme Ultraviolet Lensless Imaging With High Order Harmonic Generation Sources*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].  
<https://doi.org/10.5463/thesis.729>

### **General rights**

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

### **Take down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

**E-mail address:**

[vuresearchportal.ub@vu.nl](mailto:vuresearchportal.ub@vu.nl)

VRIJE UNIVERSITEIT

**Spectrally resolved Extreme  
Ultraviolet Lensless Imaging With  
High-Order Harmonic Generation  
Sources**

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor of Philosophy  
aan de Vrije Universiteit Amsterdam,  
op gezag van de rector magnificus  
prof.dr. J.J.G. Geurts,  
in het openbaar te verdedigen  
ten overstaan van de promotiecommissie  
van de Faculteit der Betawetenschappen  
op maandag 16 september 2024 om 13.45 uur  
in een bijeenkomst van de universiteit,  
De Boelelaan 1105

door

Xiaomeng Liu

geboren te Shandong, China

promotoren: dr. S.M. Witte  
prof.dr. K.S.E. Eikema

promotiecommissie: prof.dr. A.J. den Boef  
prof.dr. M.S. Pchenitchnikov  
prof.dr. I.M.N. Groot  
dr. P.M. Kraus  
prof.dr. P. Eng-Johnsson