X-ray spectroscopy of interstellar dust: from the laboratory to the Galaxy

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Proefschrift

ter verkrijging van
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op gezag van Rector Magnificus prof. mr. C. J. J. M. Stolker,
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te verdedigen op donderdag 1 november 2018
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door

Sascha Tamara Zeegers
geboren te Alkmaar
in 1985

Promotiecommissie

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Dedicated to my parents: Marianne and Siem

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het Leids Kerkhoven Bosscha fonds.

Cover design: The artwork on the front cover shows an artist's impression of the Galaxy. It was made combining various textile techniques, using wool, silk, fabrics, beads and yarn. The silver stars indicate the position of bright X-ray binaries near the center of the Galaxy and are surrounded by small olivine beads. This artwork was made and designed by Marianne Zeegers, who is a certified textile crafts artist. The back cover shows the X-ray spectrum of olivine around the silicon K-edge.

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