

Scuola Internazionale Superiore di Studi Avanzati - Trieste Area of Mathematics

DOCTORAL THESIS

t-structures on stable

 $(\infty, 1)$ -categories



Candidate
Fosco Loregian

Supervisor prof. Domenico Fiorenza ("La Sapienza" Università di Roma)

Internal co-Supervisor prof. Barbara Fantechi

A thesis submitted in partial fulfillment of the requirements for the degree of

Philosophiæ Doctor in Mathematical Physics and Geometry

Academic year 2015-16

SISSA - Via Bonomea 265 - 34136 TRIESTE - ITALY