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**Rinat Tagirov**

Astronomer, St. Petersburg University  
geboren am 8. April 1989, aus Russland

den Titel

**DOKTOR DER WISSENSCHAFTEN**

aufgrund seiner Doktorarbeit

PHYSICAL UNDERSTANDING OF SOLAR IRRADIANCE IN ULTRAVIOLET AND  
RADIO WAVELENGTHS

Referentin: Prof. Dr. Marcella Carollo

und der mündlichen Prüfung vom 7. Februar 2017

Zürich, 26. Juli 2017

Die Rektorin

A blue ink signature of Sarah Springman, written in a cursive style.

Prof. Dr. Sarah M. Springman

Der Vorsteher des Departements Physik

A blue ink signature of Simon Lilly, written in a cursive style.

Prof. Dr. Simon Lilly



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

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THE  
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OF TECHNOLOGY  
ZURICH

awards to Mister

**Rinat Tagirov**

Astronomer, St. Petersburg University  
born on 8 April 1989, from Russia

the title

**DOCTOR OF SCIENCES**

Seal /Illegible/

due to his dissertation

**PHYSICAL UNDERSTANDING OF SOLAR IRRADIANCE IN  
ULTRAVIOLET AND  
RADIO WAVELENGTHS**

Advisor: Prof. Dr. Marcella Carollo

and the oral exam on 7 February 2017

Zurich, 26 July 2017

The rector

Dean of the Department of Physics

Prof. Dr. Sarah M Springman

Prof. Dr. Simon Lilly

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