

# PLASMA OF ASTROPHYSICS

Moscow Institute of Physics and Technology (National Research University)

Degree or qualification is awarded: **PhD (Candidate of Science)**

Language of study: **English**

Mode of study:

Duration: **4 years**

Availability of free education: **yes**

Price: **375 000 RUB**

Programme webpage at the university website: <https://eng.mipt.ru/programs/plasma-of-astrophysics/>

Programme curator: **Denis Ustyuzhaninov**

Tel.: **+7 (498) 713 91 70**

E-mail: [interadmission@phystech.edu](mailto:interadmission@phystech.edu)

## Entry requirements:

- Master's degree / equivalent in a related field
- B2 level of English
- Good track record of publications related to the topic of the intended research
- Strong research proposal 1,500 - 3,500 words

## Research supervisor:

[Vladimir Dogiel](#)

PhD, DSc

## Supervisor's research interests:

Active processes of energy release in the Galaxy. Kinetic equations for cosmic rays and magnetic turbulence in the interstellar medium and in compact astrophysical objects.

## Research highlights:

Collaboration with colleagues from Muenchen and Berlin and from Taiwan.

## Supervisor's specific requirements:

- Methods of theoretical analysis.

## Main publications:

- Brerezinskii, V.S., Bulanov, S.V., Dogiel V.A., Ginzburg V.L., Ptuskin V.S. Monograph "Astrophysics of Cosmic Rays".

## Specializations within this programme