

## Nuclear and Particle Physics

In addition to nuclear and particle physics, this branch includes astroparticle physics, particle physics phenomenology and nuclear astrophysics.

Israel's Rank



**4th**  
in the world

## Condensed Matter Physics

In addition to solid-state physics and statistical physics, this branch includes nanoscale and mesoscopic physics, high-pressure physics, low-temperature physics, surface physics and polymer physics.

Israel's Rank



**12th**  
in the world

Illustration by Wenting Li

## The World of Physics

**Israeli researchers navigate the natural science of matter and energy**

Physicists at Israeli universities produce some of the best research in the world, and their papers are cited very frequently. Overall, between 1996 and 2021, Israeli physicists published 69,787 papers. On average, each of these papers was cited 26.66 times. **That puts Israel in 7th place in citations per document among the 35 countries that published the most physics papers in this span,** according to data from the Scimago ranking website. Here, we break down contemporary pure physics research, both experimental and theoretical, into its four main branches.

Israel ranks  
**7th**  
in the world



Israel's Rank



**10th**  
in the world

## Atomic, Molecular and Optical Physics

Beyond atomic physics and photonics, this branch includes optics, molecular physics, chemical physics and atomic and molecular astrophysics.

## Azrieli Fellows

more than  
**50**  
physicists supported

Physics is well represented within the **Azrieli Fellows Program**, which, since its inception in 2007, has supported more than 50 physicists and many others who do interdisciplinary work involving physics.

## Astrophysics

This branch includes astronomy, cosmology and gravitation physics as well as high-energy astrophysics, astrometry, planetary astrophysics, plasma physics, solar physics, space physics and stellar astrophysics.

Israel's Rank



**3rd**  
in the world

