

# THE PHYSICS COLLOQUIUM

Thursday 22 October 2026, 4:00 p.m.  
Nijenborgh 4, Lecture Hall 5111.0022

## A Closer Look at Gravity

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The gravitational force is the most dominant interaction in our daily lives. Paradoxically, a fully comprehensive description of gravity remains elusive. Notably, Einstein's general theory of relativity fails to account for dark matter and dark energy satisfactorily, nor can it be reconciled with quantum mechanics.

In this colloquium, we will take a closer look at the workings of gravity, both at large and small distance scales. We will review the current state of our understanding and address some open issues. Our conclusion will be that, in view of the many upcoming experiments, an exciting time lies ahead, promising a deeper understanding of gravity.



Source: Wikipedia

*Join us for coffee starting 3:30 p.m. Refreshments will be served after the lecture.*

*For more information contact the hosts: Julia Even ([j.even@rug.nl](mailto:j.even@rug.nl))*

*Website: <https://www.rug.nl/research/fse/colloquia/physics-colloquia>*