

# THE PHYSICS COLLOQUIUM

Thursday 21 March 2024, 4:00 p.m.  
Nijenborgh 4, Lecture Hall 5111.0080

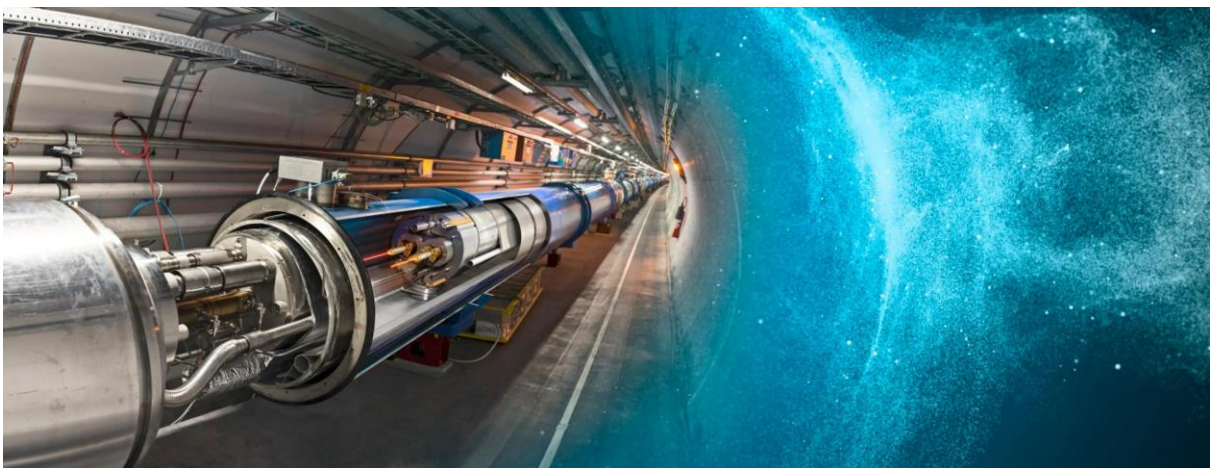
## On the Hunt for New Particles at the Large Hadron Collider

Flavia Dias

*Nikhef, Amsterdam / UvA*

The Large Hadron Collider's (LHC) experiments are continuously pushing the boundaries of particle physics. One of its aims is to uncover the mysteries of the universe beyond our current understanding of particles and their interactions: the Standard Model.

This colloquium will provide an overview on how we search for new particles at the LHC, and highlight some of the latest results obtained during the LHC's Run 2 (2015-2018). Furthermore, I will outline the plans and prospects for searching for new particles in the next few years.



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

For more information contact the host: Julia Even ([j.even@rug.nl](mailto:j.even@rug.nl))  
Website: <http://www.rug.nl/research/vsi/colloquia/>