



TRUST AND  
INTERNET IDENTITY MEETING  
EUROPE

2026, Amsterdam

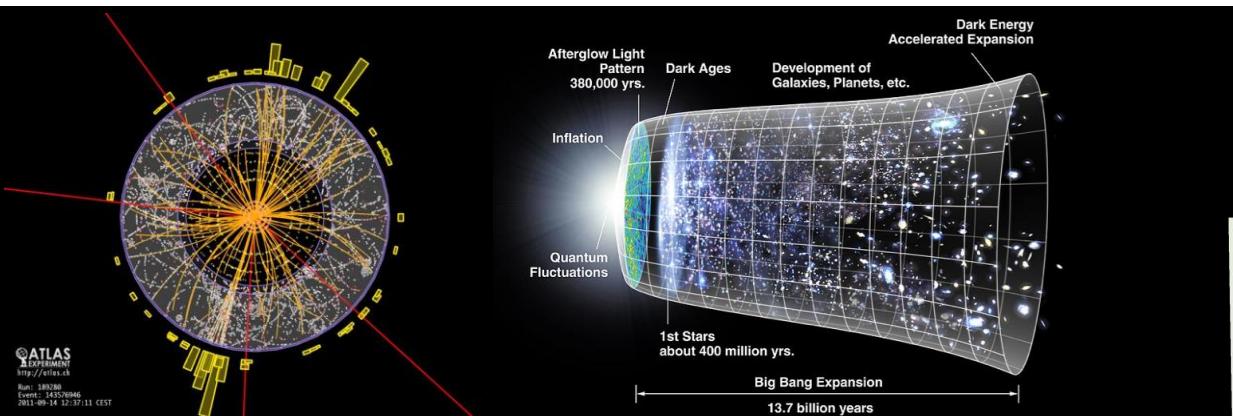
# THANK YOU TO OUR SPONSORS



# THANKS TO ALL MY CO-ORGANISERS

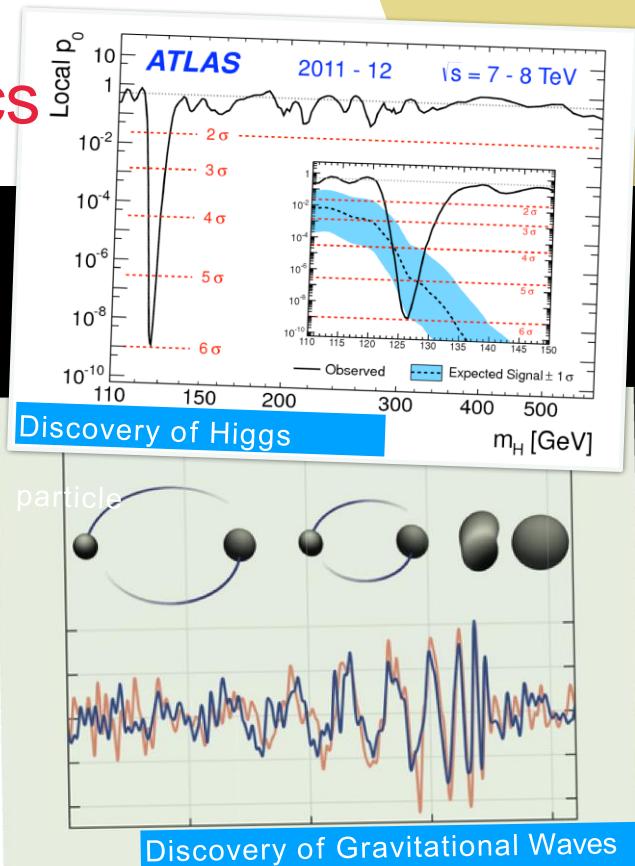


# Welcome to Nikhef the Dutch National Institute for Sub-atomic Physics



We probe our world, made of particles and fields,

- with collider physics, primarily at CERN
- astroparticle physics:  
particles, radiation, and ripples coming from the universe



# The Nikhef Partnership

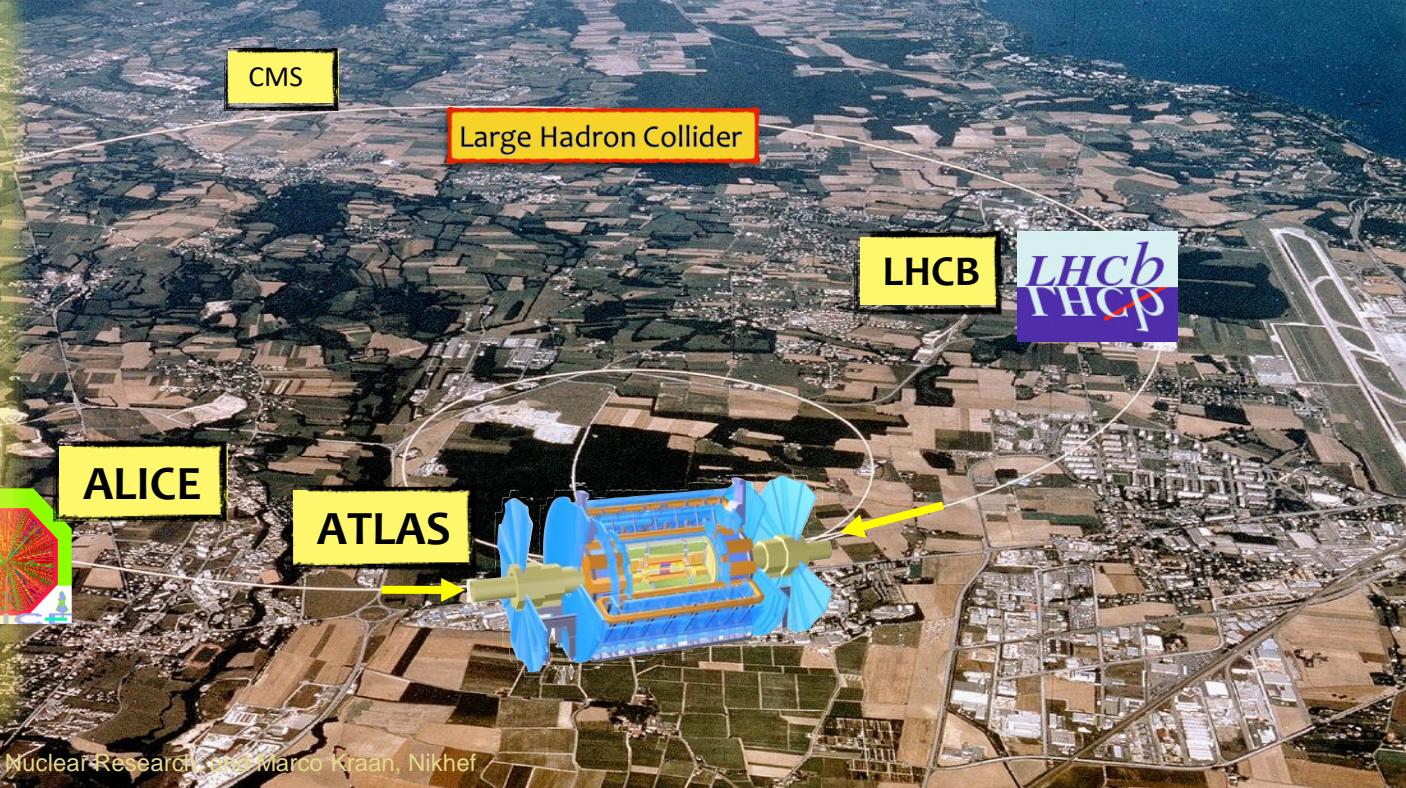
In itself a collaborative ecosystem



Nikhef, its science and ICT programme, and the NikhefHousing data center



# Nikhef at CERN – LHCb, Atlas, Alice



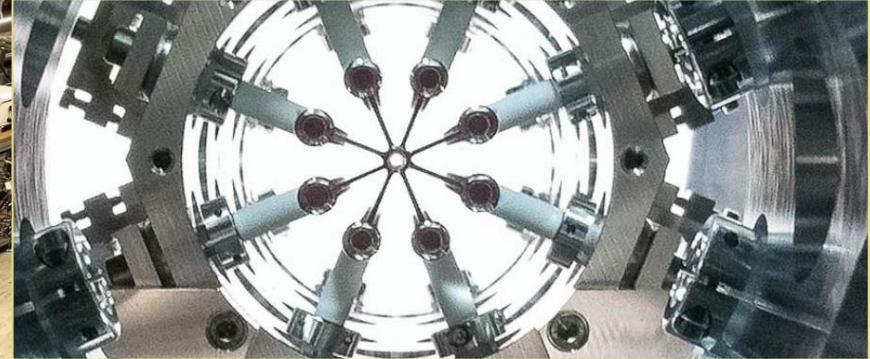
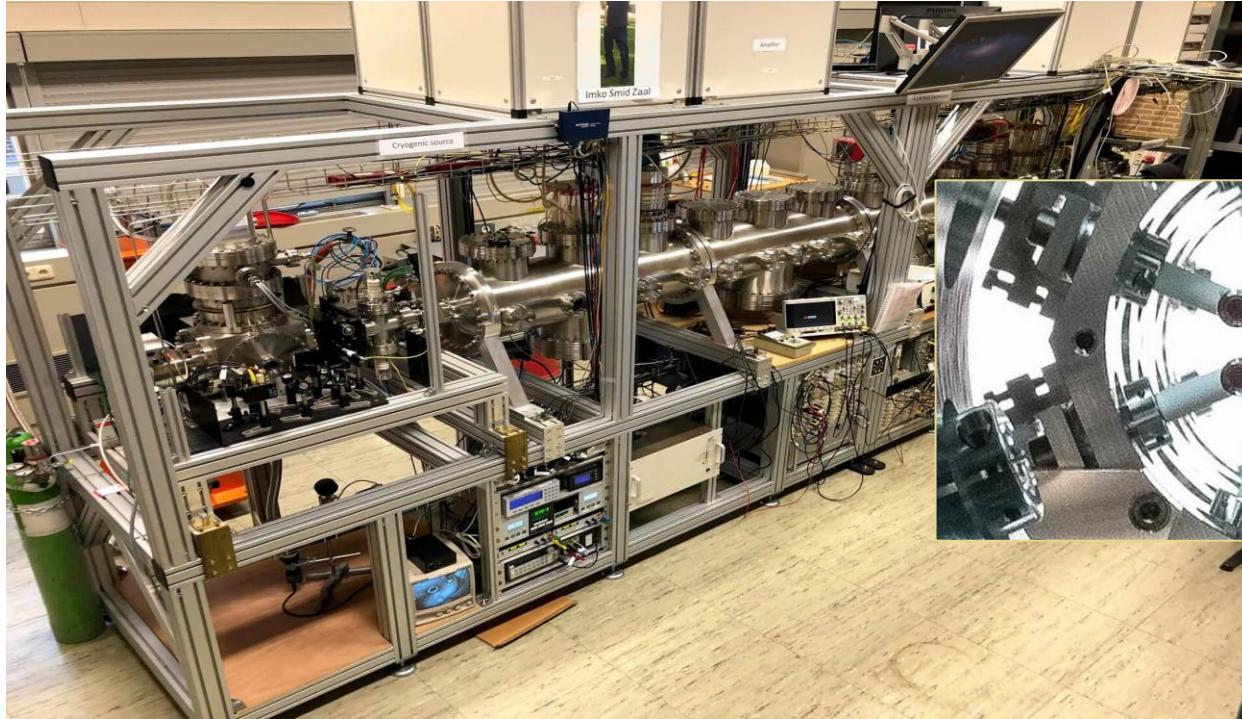
Imagery: CERN, European Organisation for Nuclear Research, and Marco Kraan, Nikhef

Nikhef, its science and ICT programme, and the NikhefHousing data center

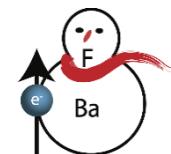


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# And decelerate for ultra-high-precision measurements



<https://www.eedm.nl/> Nikhef and Rijksuniversiteit Groningen, images: Steven Hoekstra

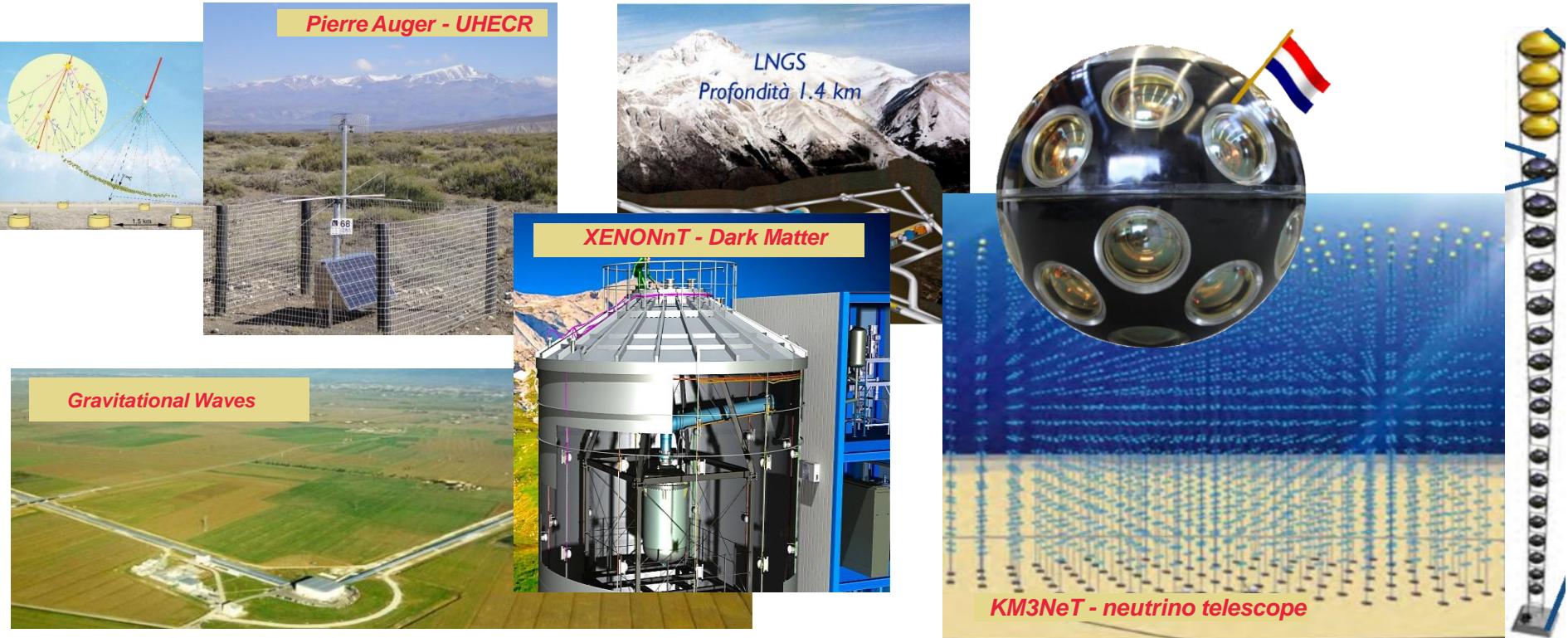


Nikhef, its science and ICT programme, and the NikhefHousing data center



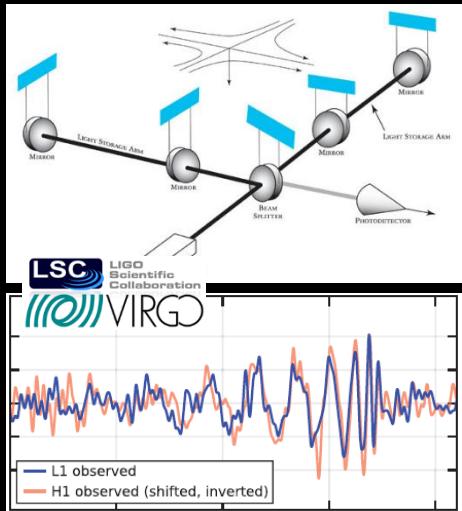
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# The astro-particle physics programmes Nikhef



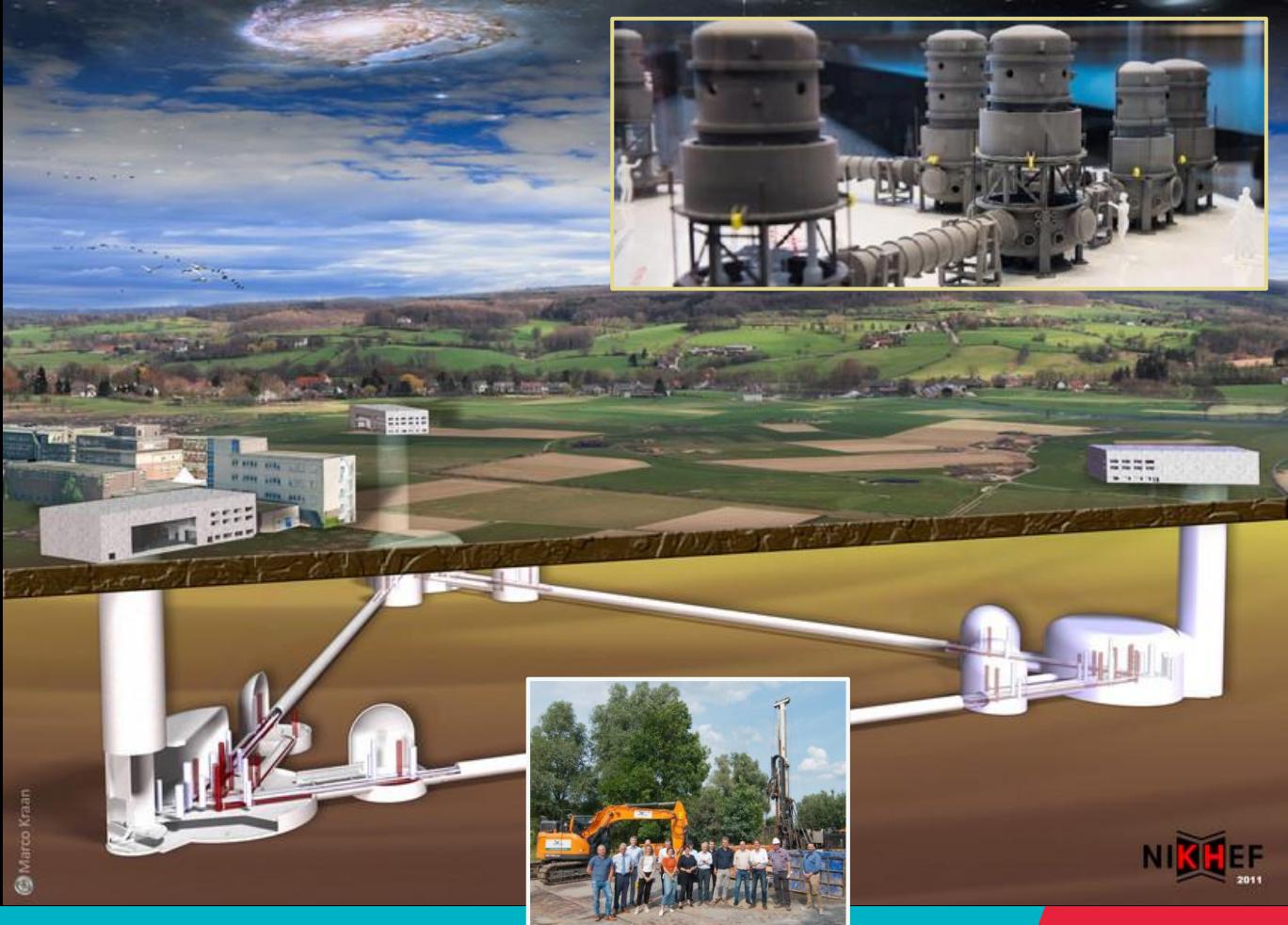
Slide: Stan Bentvelsen, Nikhef SEP 2023, KM3NeT collaboration, Virgo Collaboration, Xenon-nT collaboration, Pierre-Auger collaboration

[www.et-emr.eu](http://www.et-emr.eu)



Einstein Telescope projected in the **Euregio Maas Rijn**,  
images: Marco Kraan;  
ET Pathfinder at UM, Maastricht, NL

GW150914 event:  
gw-astronomy collaborations, LIGO



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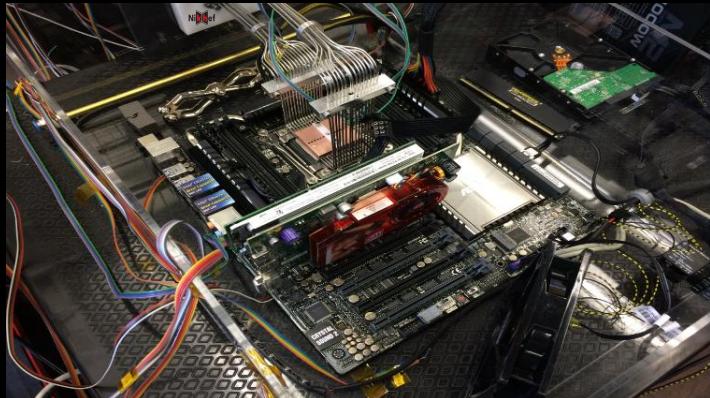
# Enabling Research Programmes – next gen infrastructure



## Theoretical Physics



## Detector R&D



## Physics Data Processing

# Technical Engineering and technology transfer

*‘The research at Nikhef relies on the development of innovative technologies. The knowledge and technology transfer to third parties, i.e., industry, civil society and general public, is an integral part of Nikhef’s mission.’*



pictures from Nikhef's 'Dimensions' magazine and Computing Office Hours; <https://www.nikhef.nl/en/nikhef-mission/>

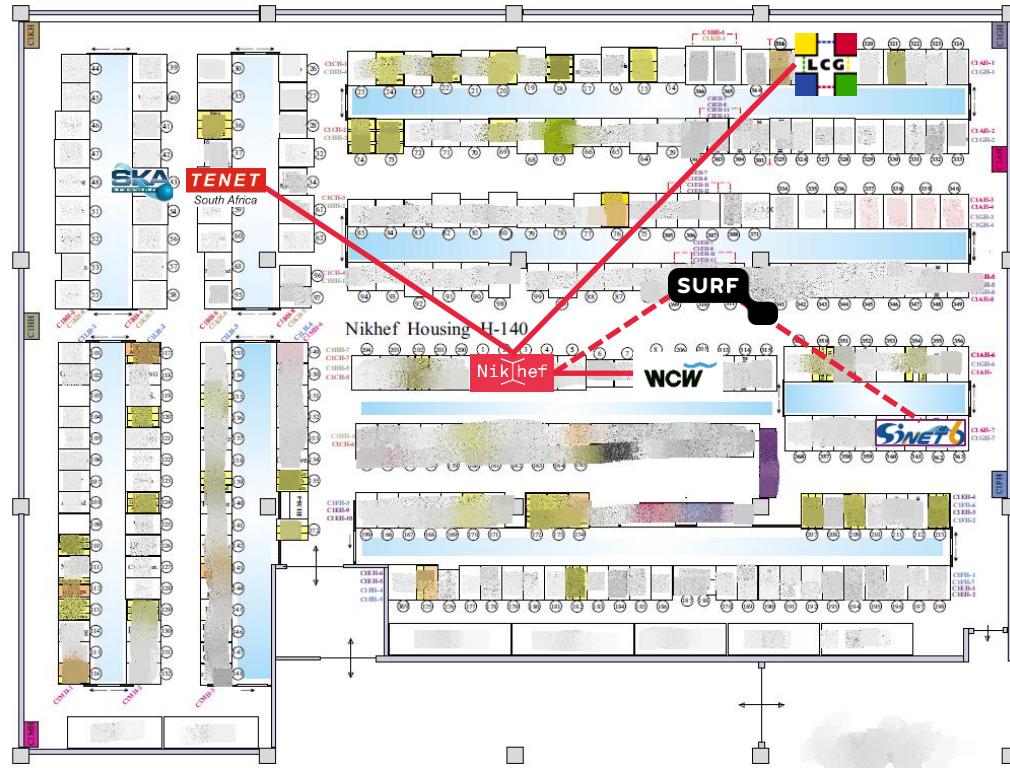
# ‘IBR-LAN’ at Nikhef – connecting local and global networks



International Backbone Router Local Area Network “IBR-LAN” at Nikhef, room H1.40 as seen in 1996. Right: H1.39 with nikhefh.nikhef.nl racks and early DAS-2 system



Connect each other ... and scientific data and instruments



Nikhef, its science and ICT programme, and the NikhefHousing data center



# What happens inside a data centre ...

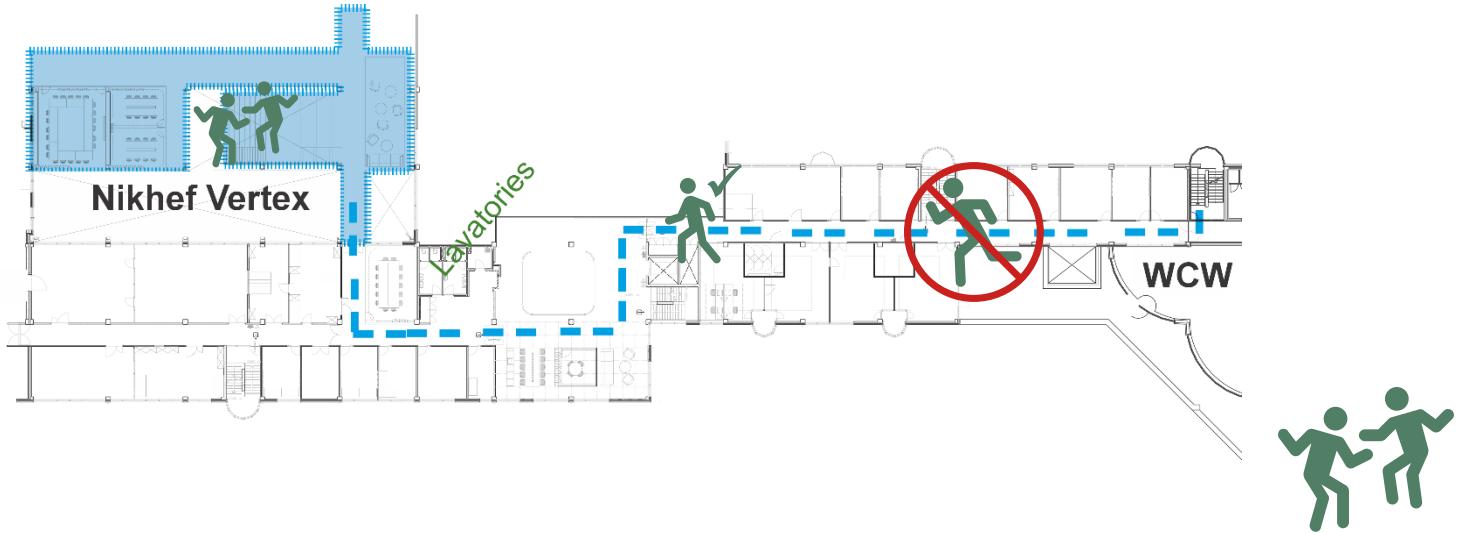


‘Connectivity’ and ‘hosting’

- NikhefHousing (H140) has connectivity parties (*network*)

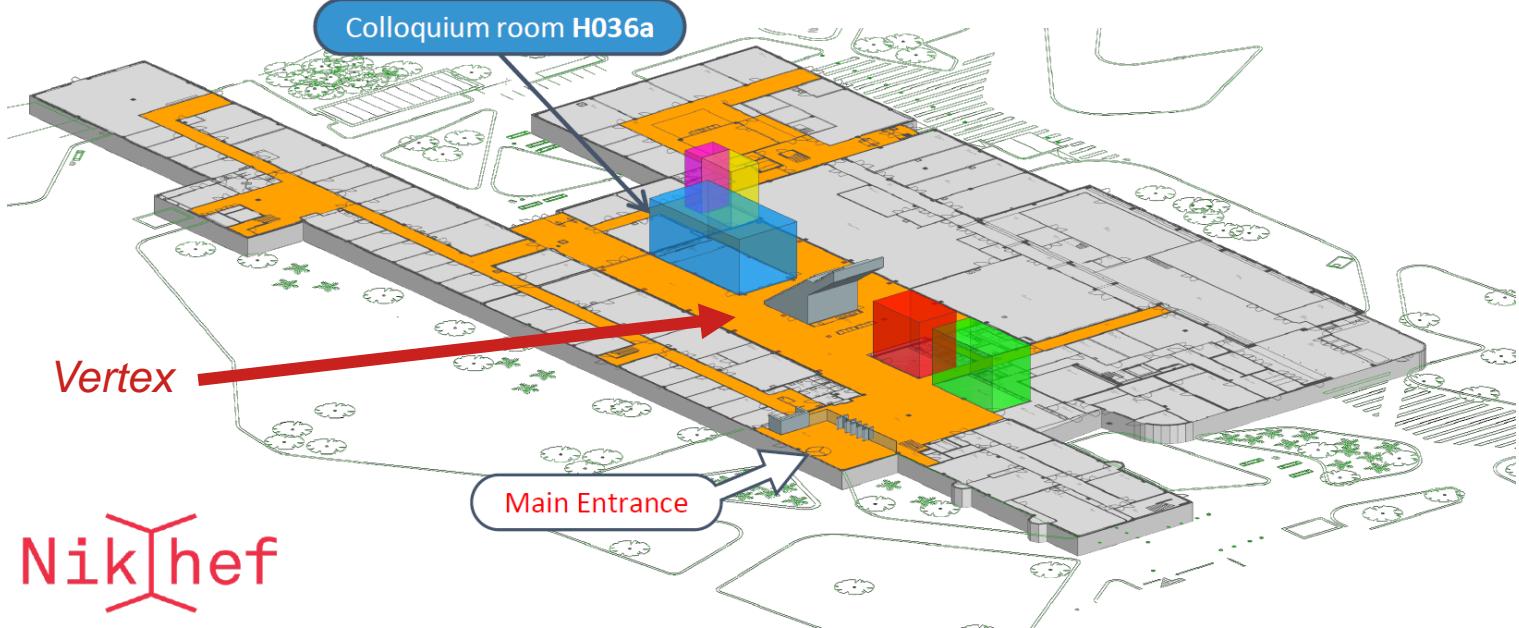
**2<sup>nd</sup> floor** has our science data centre

# ROUTING YOU



From WCW to Nikhef Vertex, indoors via stairs:  
1<sup>st</sup> floor (corridor level)      Positron and Electron  
ground floor down stairs      Colloquium

# BREAKOUT COLLOQUIUM

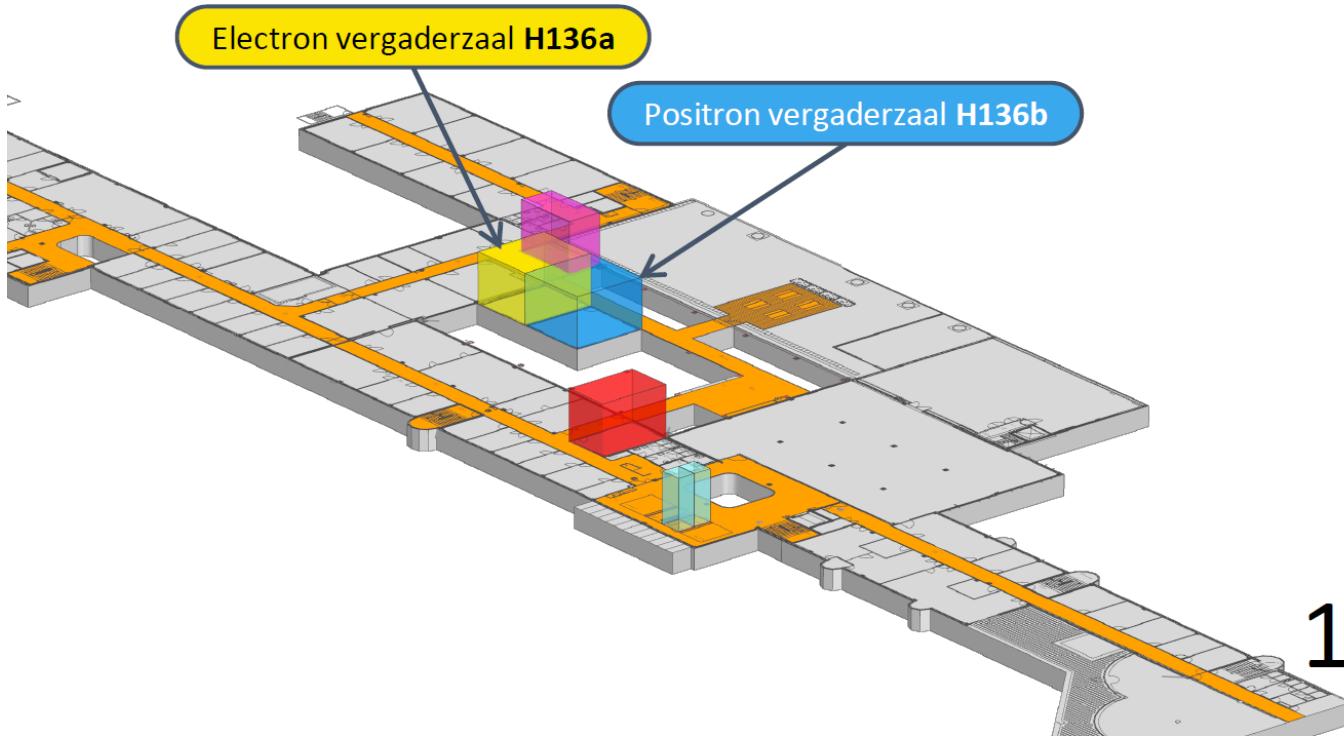


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TIIME

# BREAKOUT ROOMS $e^+$ AND $e^-$



TIIME

# IF IT DOES NOT LOOK LIKE THIS ...



*... you are in the wrong place*

# AND IF YOU LIKE THE WEATHER OUTSIDE





# THANK YOU TO OUR SPONSORS

