PICK UP YOUR TICKETS FOR THE INTERACTION SESSION!

- Each session has **four rounds of 20 minutes.**
- Find the sessions on the posters in the hall or in the overview in indico
- **Select a sticker for a topic for each round.**
  The sticker is your ticket!
- The sticker tells you what room to go to.
- **For the housing tours we ask you to also register your name.**
- A sound will announce the next round.

Nikhef

Meet the Engineers
interaction session

There are 4 rounds.

Round A	Round B	Round C	Round D
13:20 - 13:40	13:45 - 14:05	14:10 - 14:30	14:35 - 14:55

Take a sticker for one topic per round.

Be at the location indicated on the sticker when the round starts.

List of topics

Code	Title	Location
MT1	Struggles of an engineer, what makes working with physicists difficult	MT plein
MT2	Building with 6 DOF	Electron
MT3	Bonding with wires	H0.28
MT4	Mill, Mould, Might	H0.73
MT5	It's not nothing enough!	N0.25
MT6	We keep the cool, you get the rest	F0.26
CT1	Stoomboot	H2.34b
CT2	The Security Operations Centre	Library
CT3	The network - mini tour	H1 next to stairs
CT4	Gitlab demo	Bottom
CT5	PO projects	Top

Code	Title	Location
ET1	White Rabbit: precision time distribution over ethernet	Spui
ET2	How is Electronics designed on a board?	Positron
ET3	ATLAS Data AQuisition [DAQ] FELIX: 1000 DVD's per second	N2.21
ET4	High Frequency (GHz) electronics- and signal transmission	N1.48a
Hous1	Housing Power installations	In front of elevator H0
Hous2	Housing Datafloor	H0.30 (next to library)
Hous3	Housing Cooling installations	H3 near elevator
Com1	Hop on board – Get a taste of Nikhef's internal communication journey	Veltman center

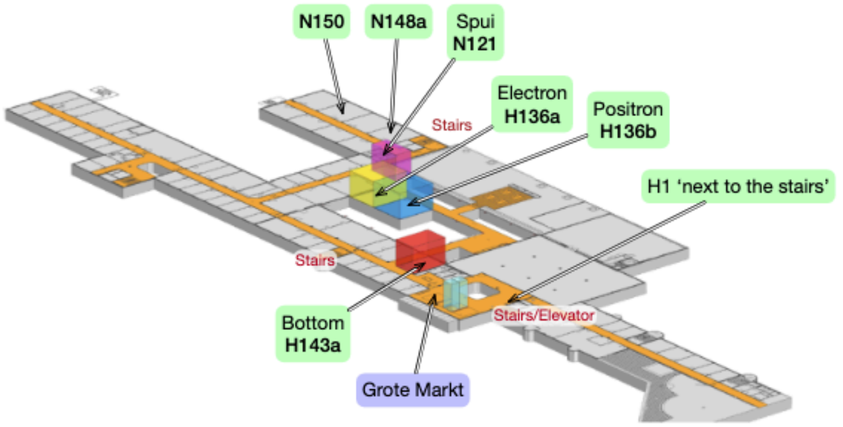
INTERACTIVE SESSION MONDAY

Code	Title	Speaker	Location	Round A	Round B	Round C	Round D
MT1	Struggles of an engineer, what makes working with physicists difficult	Mathijs & Tommi	**MT plein**	✓	✓	✓	✓
MT2	Building with 6 DOF	Kenny, Vincent & Max	**Electron**	✓	✓	✓	✓
MT3	Bonding with wires	Dimitri & Lara	**H0.28**	✓	✓	✓	✓
MT4	Mill, Mould, Might	Jelle, Robin, Erno & Espen	**H0.73**	✓	✓	✓	✓
MT5	It's not nothing enough!	Marije, Berend	**N0.25**	✓	✓	✓	✓
MT6	We keep the cool, you get the rest	Yutaro & Martijn	**F0.26**	✓	✓	✓	✓
CT1	Stoomboot	Dennis	**H2.34b**	✓	✓	✓	✓
CT2	The Security Operations Centre	Sil	**Library**	✓	✓	✓	✓
CT3	The network - mini tour	Bart	**H1 next to stairs**	✓	✓	✓	✓
CT4	Gitlab demo	Daniel	**Bottom**	✓	✓	✓	✓
CT5	PO projects	Karol & Miron	**Top**	✓	✓	✓	✓
ET1	White Rabbit: precision time distribution over ethernet	Peter & Kostantinos	**SPUI**	✓	✓	✓	✓
ET2	How is Electronics designed on a board?	Charles & Wilco	**Positron**	✓	✓	✓	✓
ET3	ATLAS Data AQuisition [DAQ] FELIX: 1000 DVD's per second	Frans & Melvin	**N2.21**	✓	✓	✓	✓
ET4	High Frequency (GHz) electronics- and signal transmission	Guido & Michael & Bas	**N1.48a**	✓	✓	✓	✓
Hous1	Housing Power installations	Anton	**In front of elevator H0**	✓	✓	✓	✓
Hous2	Housing Datafloor	Erwin	**H0.30 (next to library)**	✓	✓	✓	✓
Hous3	Housing Cooling installations	Floris	**H3 near elevator**	✓	✓	✓	✓
Com1	Hop on board – Get a taste of Nikhef's internal communication journey	Martine	**Veltman center**	✓	✓	✓	✓

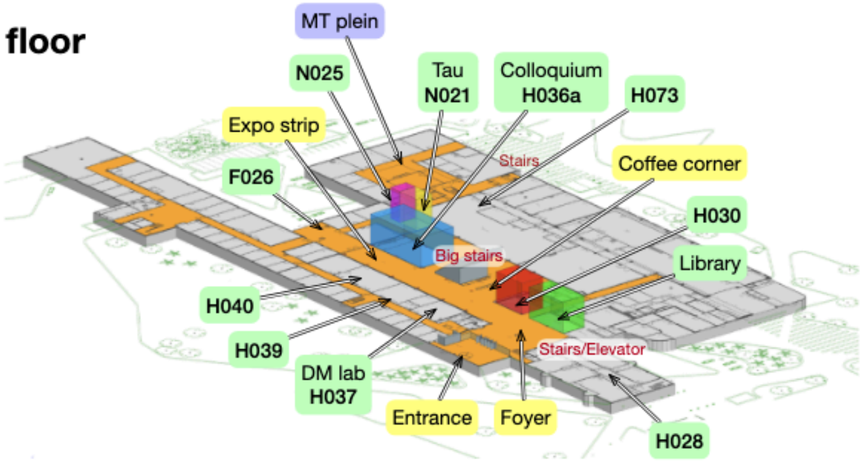
INTERACTIVE SESSION TUESDAY

Code	Title	Speaker	Location	Round A	Round B	Round C	Round D
D1	What is a Feynman diagram?	Stan B	**Entrance next to Nikhef logo**	☐	☐	☑	☑
PDP1	Need4Scale: why the 'how' of computing is essential, and where to find it	Roel	**Dam meeting room**	☑	☑	☐	☐
PDP2	Can we get eduGAIN without the pain please?	David	**Dam meeting room**	☐	☐	☑	☑
ATLAS1	What is alignment and why do we need it?	Peter K	**Spui**	☑	☑	☐	☐
ATLAS2	The meaning of three sigma	Lydia & Ivo	**Tau**	☑	☑	☑	☑
ATLAS3	What is luminosity?	Antonio	**Top**	☑	☑	☐	☐
ATLAS4	Why do we need different types of particle detectors?	Frank F	**Top**	☐	☐	☑	☑
DM1	Why do we build things out of low-radioactivity materials?	Patrick D & Tina	**H0.37**	☑	☑	☑	☑
ALICE1	What are quarks and gluons and how do they interact?	Marta & Panos	**Grote Markt**	☑	☑	☑	☑
ALICE2	Why do we need 4D tracking?	Alessandro G & Raimond	**MT plein**	☑	☑	☑	☑
GW1	What is squeezed light?	Sebastian S	**Bottom**	☑	☑	☐	☐
GW2	How to distinguish different formation channels of binary black holes	TBC	**Electron**	☑	☑	☐	☐
GW3	Why can we measure GW (why is the laser not stretched)?	Joris	**Electron**	☐	☐	☑	☑
GW4	Why do you need tilt meters?	Nathan	**Bottom**	☐	☐	☑	☑
TH1	Penguin Zoology	Robert	**Dam kitchen**	☑	☑	☐	☐
TH2	Factorization - or what you need to know about predictions for hadron colliders	Wouter W	**Dam kitchen**	☐	☐	☑	☑
TH3	Holographic shockwave collisions	Maximilian	**Spui**	☐	☐	☑	☑
Neutrino1	What can the 'Digital Optical Modules' (DOMs) do for us?	Daan & Mieke	**Library**	☑	☑	☑	☑
eEDM1	What is an EDM and why is it such a big deal?	Steven	**Positron**	☐	☐	☑	☑
UHECR1	Cosmic rays and Cherenkov light	Charles	**Positron**	☑	☑	☐	☐
LHCB1	Why do we need a VELO and a SciFi detector?	Niels T	**Colloquiumroom**	☑	☑	☐	☐
LHCB2	What is anti-matter?	Jacco	**Colloquiumroom**	☐	☐	☑	☑
R&D1	From particle to signal	Martin F	**H0.39**	☐	☐	☑	☑
R&D2	Probing detectors with 'two-photons'	Martin vB & Uwe	**H0.40**	☑	☑	☑	☑
R&D3	The eyes of LISA	Niels vB & Timesh	**Expostrip**	☑	☑	☑	☑

Level 1



Ground floor



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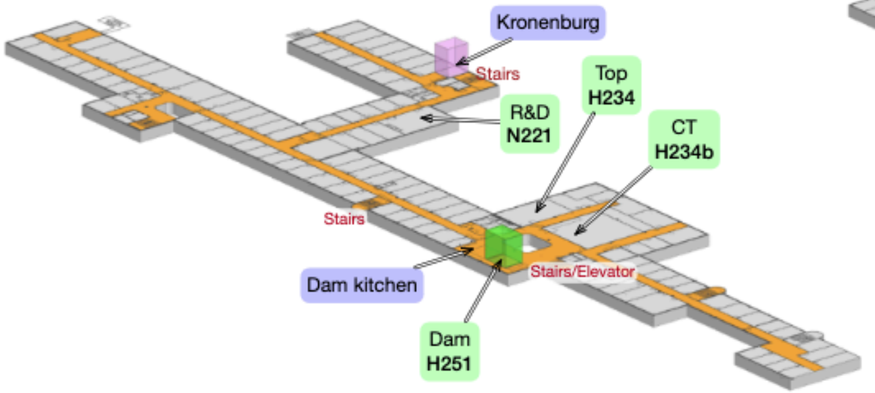
Level 2