

Welcome & practical info

Chad Finley, Christophe Clément, Sten Hellman (Stockholm U.)
Christian Ohm (KTH)



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Welcome to “Spåtind” 2023!

- Grateful that we can finally meet again after COVID-induced one-year delay
- This is the **27th edition** of this biannual conference – important tradition!
- Not in Spåtind since many years – first time at [Fefor Høifjellshotell](#) (est. 1891)
- Friendly and informal, plenty of free time for activities and discussions
- Last 3 editions:
 - 2020 <https://indico.nbi.ku.dk/event/1259/> (Denmark)
 - 2018 <https://indico.cern.ch/event/666278/> (Norway)
 - 2016 <https://indico.cern.ch/event/439152/> (Finland)

Many thanks to everyone making this possible

Advisory Board:

- Mattias Blennow (KTH, Sweden)
- Poul Henrik Damgaard (NBI, Denmark)
- Rikard Enberg (UU, Sweden)
- Henning Kirschenmann (Helsinki, Finland)
- Tim Linden (SU, Sweden)
- David Marsh (SU, Sweden)
- Heidi Sandaker (UiO, Norway)
- David Silvermyr (LU, Sweden)

Not possible without:

- Session chairs and discussion facilitators
- Administration at Stockholm U
- Friendly staff at Fefor!

...and most importantly ***you all!***

Looking forward to an interesting week!

Agenda

- Morning session (8:30–10:00):
Two overview talks
- Long break (10:00–15:15),
Lunch from 14:00
- Afternoon:
 - Two overview talks (15:15–16:45)
 - Contributed talks (17:15–19:00)
 - Dinner
 - Contributed talks (20:30–22:00)



Overview presentations

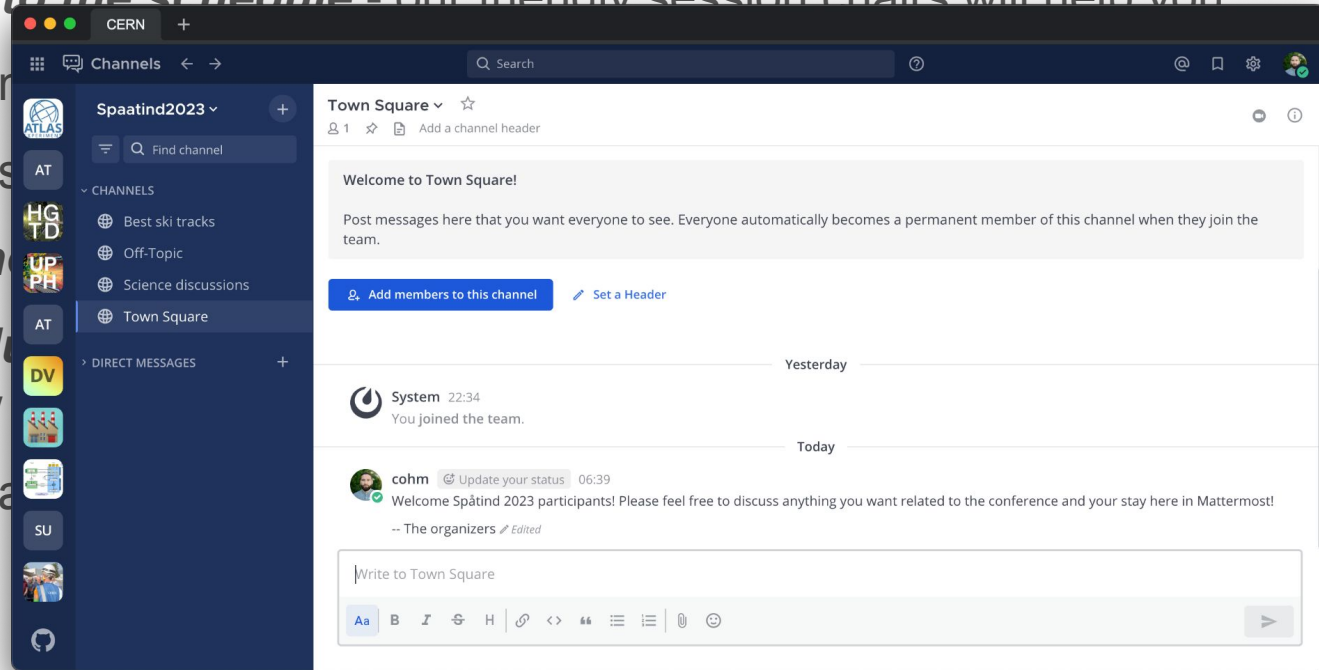
- **Heavy-ions physics**
 - Theory – Aleksi Kurkela (Stavanger)
 - Experiment – Alice Ohlson (Lund)
- **Multi-messenger astronomy**
 - Theory – Julia Tjus (Ruhr/Chalmers)
 - Exp./obs. – David Berge (DESY/Berlin)
- **Neutrinos**
 - Theory – Sandhya Choubey (KTH)
 - Experiment - Francesco Terranova (Milano)
- **Gravitational waves and fundamental physics**
 - Vitor Cardoso (NBI)
- **ML/AI and future computing in HEP**
 - Thea Årrestad (ETH)
- **Primordial GW, Higgs, and phase transitions**
 - David Weir (Helsinki)
- **LHC highlights**
 - Higgs - Sara Strandberg (Stockholm)
 - EFT – Jörgen Sjölin (Stockholm)
 - Beyond-SM Higgs – Santeri Laurila (CERN)
- **Dark matter and dark sector**
 - Theory – Riccardo Catena (Chalmers) -
 - Direct-detection experiment – Knut Morå (Columbia)
- **Detectors and instrumentation R&D roadmap**
 - Didier Contardo (Lyon)

Instructions for speakers and guidelines for discussions

- Will use the laptop up here, slide remote is available
- Important to ***stick to the schedule*** - our friendly session chairs will help you
- ***Upload slides*** to indico at least 30 mins before your session starts (pdf)
- For the discussions
 - Please ***use the microphones*** (and speak up if it's hard to hear!)
 - Please ***introduce yourself*** briefly when asking a question – we're here to get to know each other!
 - Discussions can continue in Mattermost - join [here!](#)

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Creating an inclusive and welcoming atmosphere

- Code of conduct on the indico website ([link](#))
 - Environment **free from discrimination, bullying, harassment or victimisation**
 - All participants and staff are **treated with respect and dignity**
 - Please report any violations, issues, or suggested improvements to us organizers (see indico page for more details)
- Please **wear your name tags**
- Stay **healthy and safe** this week
- Take the opportunity to **meet and get to know new people** in our Nordic particle and astroparticle physics community!

Activities at Fefor



- Skiing
 - Cross-country
 - Downhill - lift only open on Saturday!
 - Rental of equipment is available here at the hotel
- Ice fishing, snow-shoeing, moonlight night walk
- Gym, sauna and swimming pool
- More info about facilities and activities after the two overview talks this morning, also look at www.fefor.no for more info!
- Bar is open in the evenings - so the scientific discussions can continue until late!

