

University of Oslo, Spring workshop on nuclear and particle physics


📅 9 Apr 2018, 09:00 → 12 Apr 2018, 15:00 Europe/Zurich

📍 CERN

MONDAY, 9 APRIL

09:00 → 12:30 **QCD, jets, gluons, heavy ion collisions**

📍 31-3-004 - IT Amphitheatre

- 09:00 **Welcome and Introduction** ⌚ 15m
Speakers: Alexander Lincoln Read (University of Oslo (NO)), Sunniva Siem (University of Oslo)
- 09:15 **QCD, jets and gluons** ⌚ 45m
Speaker: Alexander Lincoln Read (University of Oslo (NO))
- 10:15 **Heavy Ion Physics - I** ⌚ 45m
Speaker: Konrad Tywoniuk (CERN)
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- 11:15 **Heavy Ion Physics - II** ⌚ 45m
Speaker: Konrad Tywoniuk (CERN)
- 12:00 **Student activities** ⌚ 30m
Speakers: Cathrine W. Tellefsen (University of Oslo), Sunniva Siem (University of Oslo)

12:30 → 14:00 **Lunch** ⌚ 1h 30m





14:00 → 17:00 **Visits: Microcosm, the Globe, ATLAS Control Room**

Convener: Alexander Lincoln Read (University of Oslo (NO))

TUESDAY, 10 APRIL

09:00 → 12:30 **Applications: Medical and astro-applications of nuclear and particle physics**

📍 593-R-010 - Salle 11

- 09:00 **Introduction** ⌚ 15m
Speaker: Sunniva Siem (University of Oslo)
- 09:15 **Astro-particle physics** ⌚ 45m
Speaker: Nils-Erik Bomark
- 10:15 **Medical applications (MEDICIS) - I** ⌚ 45m
Speaker: Thierry Stora (CERN)
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- 11:10 **Medical applications (MEDICIS) - II** ⌚ 45m
Speaker: Thierry Stora (CERN)
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- 12:00 **Student activities** ⌚ 30m
Speakers: Cathrine W. Tellefsen (University of Oslo), Sunniva Siem (University of Oslo)

12:30	→ 14:00	Lunch ⌚ 1h 30m
14:00	→ 17:00	Visits: ISOLDE

WEDNESDAY, 11 APRIL

09:00	→ 12:30	Instrumentation: Accelerators (and detectors?)	📍 593-R-010 - Salle 11
09:00		Weak interactions ⌚ 45m Speaker: Alexander Lincoln Read (University of Oslo (NO))	
10:00		Accelerators: basic principles ⌚ 45m Speaker: Erik Adli (University of Oslo (NO))	
11:00		Accelerators: the energy frontier ⌚ 45m Speaker: Erik Adli (University of Oslo (NO))	
12:00		Student activities ⌚ 30m Speakers: Cathrine W. Tellefsen (University of Oslo), Sunniva Siem (University of Oslo)	
12:30	→ 14:00	Lunch ⌚ 1h 30m	
14:00	→ 17:00	Visits: Accelerator research	

THURSDAY, 12 APRIL

09:00	→ 11:30	Completing the Standard Model: Weak interactions and the discovery of the Higgs boson	📍 30-7-018 - Kjell Johnsen Audit...
09:00		Introduction ⌚ 15m Speaker: Alexander Lincoln Read (University of Oslo (NO))	
09:15		Neutral currents and unification ⌚ 45m Speaker: Chiara Mariotti (INFN Torino (IT))	
10:15		The Higgs Boson ⌚ 45m Speaker: Chiara Mariotti (INFN Torino (IT))	
11:00		Wrap-up ⌚ 30m Speaker: Alexander Lincoln Read (University of Oslo (NO))	
11:30	→ 14:00	Transfer to airport etc ⌚ 2h 30m	