



31 January 2022 to 8 February 2022

Europe/Zurich timezone



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The purpose of this workshop is to bring together experts from several areas of physics that push storage rings to "extreme use", and storage-ring accelerator experts. Precision experiments as g-2 and EDM are covered in addition to ultra-low emittance light sources, future hadron accelerators, and novel concepts such as quantum computers based on stored beams, or gamma factories. Also participating in this meeting will be experts of lepton and hadron storage rings, addressing topics of advanced cooling, crystalline beams, and advanced beam diagnostics.

This workshop is free of charge and open to registration (closing date: the end of the workshop).

The zoom link is provided in the registration form and it will be further sent to the participants before the start of the sessions.



Starts 31 Jan 2022, 10:00

Ends 8 Feb 2022, 18:00

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[Frank Zimmermann](#)

[Giuliano Franchetti](#)



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8 Feb 2022, 16:35

30m

Session 7: Advanced c...

Speaker

Giuliano Franchetti (GSI - Helmholtzzentr...

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Timetable

< Wed 02/02 Thu 03/02 Fri 04/02 Sat 05/02 Sun 06/02 Mon 07/02 Tue 08/02 All days >

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Session legend

☐ Session 7: Advanced cooling, and

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14:00

Laser cooling of bunched relativistic ions in storage ring

Danyal Winters

14:30 - 14:55

15:00

Laser cooling of bunched beams at ultra-relativistic energies and its applications

Alexey Petrenko

14:55 - 15:20

Gamma Factory — the present status and the way forward

Aurelien Martens

15:20 - 15:45

16:00

Break

15:45 - 16:05

Discussion

16:05 - 16:35

Summary & Outlook

Giuliano Franchetti

16:35 - 17:05

17:00

Presentation available in indico

