

Terzo incontro di fisica con ioni pesanti alle alte energie



Padova, 25-26 Novembre 2021
Centro Culturale S. Gaetano

Welcome...back!

It has been a long time since the last edition in **Torino (2017)**.

A very fruitful edition with about 80 participants, many interesting talks and discussions.

During this long period we had the Long Shutdown 2 (LS2) of LHC
... and the Covid-19 pandemic.

As you know, our goal was to have this workshop in June 2020 and we had to postpone it several times. Many times we thought it was hard to do this workshop...but thanks to the support of the organizing committee and of many colleagues...

We are here, back again in person

So, first of all, a great and warm WELCOME to all of you!

Safety first

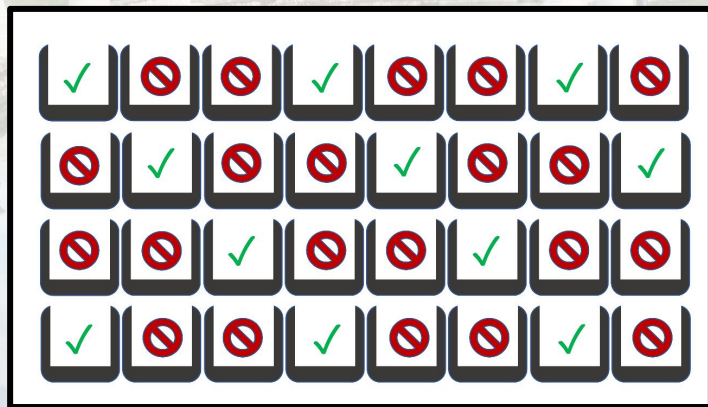
Rules for health safety

- **WEAR THE MASK:** when inside the Centro Culturale S.Gaetano. Remind to keep the mask when getting close to other participants and to periodically change the mask.
- **SANITIZE YOUR HANDS:** disinfectant gel dispensers are available at the entrance of the Auditorium.
- **KEEP SAFETY DISTANCE:** occupy one seat every three and alternate row by row

How to ask question in a safe way?

There are fixed microphones in different points of the Auditorium. Participants can approach the microphone to ask the question, **respecting distancing and wearing mask**. Therefore, take note of the question you would like to ask in advance.

After each question the microphones will be cleaned and disinfected.



Organizing Committee

Organizing committee

- *F. Antinori*
- *A. Dainese*
- *P. Giubilato*
- *M. Lunardon*
- *A. Rossi (co-chair)*
- *F. Soramel*
- *S. Trogolo (co-chair)*
- *R. Turrisi*

Secretariat

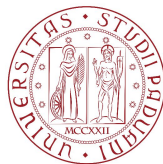
- *M. Andreazzo*
- *R. Chiaratti*
- *A. Dalla Vecchia*
- *P. Salente*



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e Astronomia
Galileo Galilei

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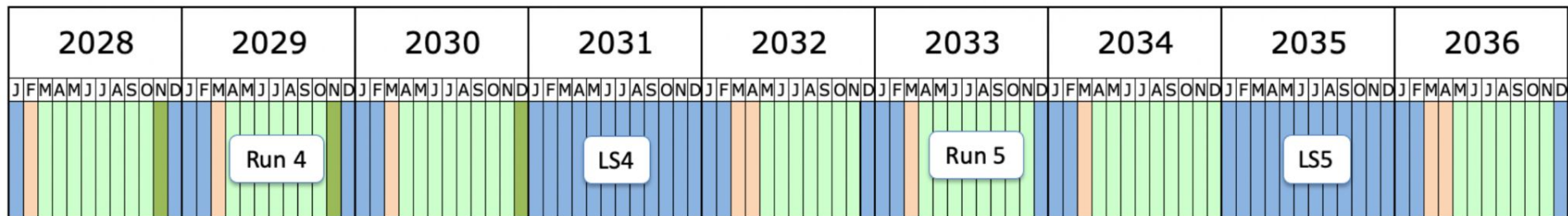
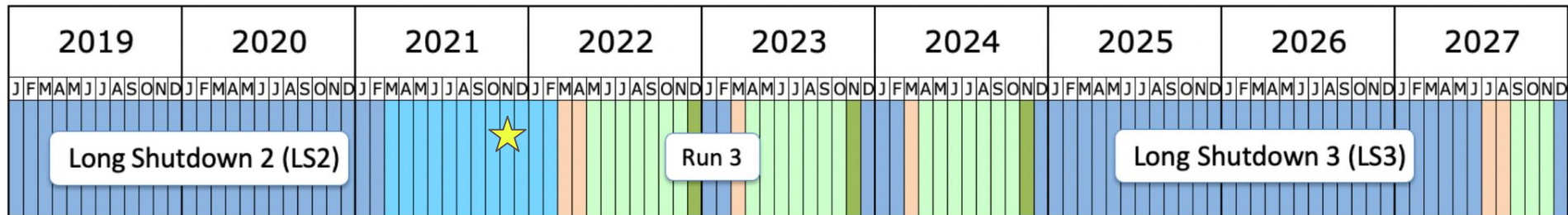


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Sezione di Padova

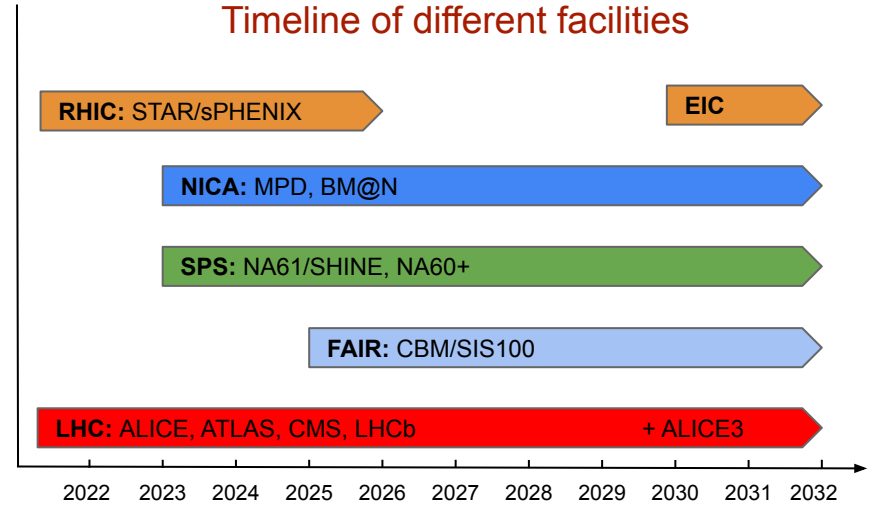
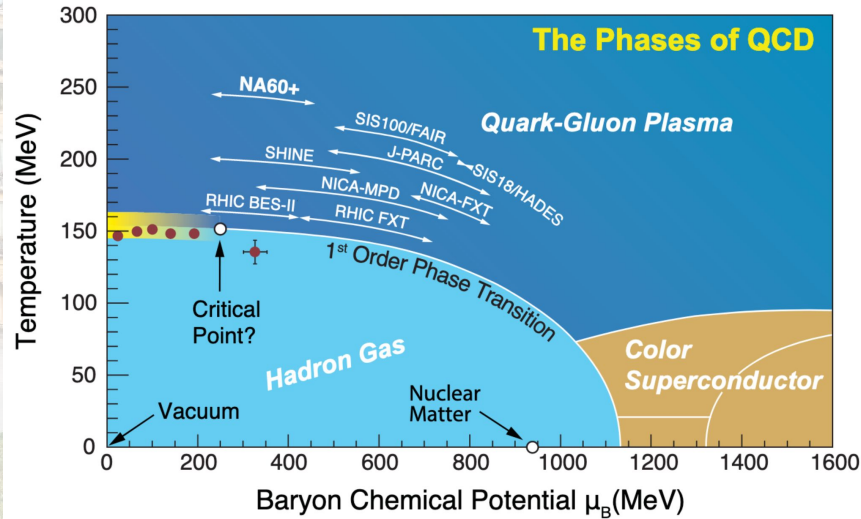
Where do we stand now?



Run3+4

- High-luminosity pp programme
- Pb-Pb $\rightarrow L_{\text{int}} = 13 \text{ nb}^{-1}$
- p-Pb $\rightarrow L_{\text{int}} = 1.2 \text{ pb}^{-1}$
- pp reference at 5 TeV
- Short O-O/p-O runs

Where do we stand now?



Investigation of the phase diagram of QCD

- New complementary facilities and experiments
- Probing different μ_B ranges

Meeting organization

4 sessions organized by the conveners

1. "Global properties from pp to AA": *F. Becattini, S. Bufalino, V. Zaccolo*
2. "Energy loss, transport and screening properties": *A. Beraudo, F. Colamaria, E. Scomparin*
3. "Hadronisation and coalescence": *P. Antonioli, R. Lea, V. Greco*
4. "Future prospects"
 - "Technologies and computing": *S. Beolè, S. Piano*
 - "Experiments and facilities": *F. Ronchetti, G. Usai*

Session 1, 2, 3

Overview talks both experimental and theoretical talks, followed by topical talks.

The organization of the discussion has been left free for each session. The conveners choose the most suited way to handle it and they will briefly explain it at the beginning of the session.

Session 4

Independent topics with a dedicated discussion time after each talk.

Meeting organization

Coffee breaks

There will be three coffee breaks (30' each) and will be arranged in the Agorà (ground floor upstairs) in order to guarantee adequate distancing and spacing

Please remember to wear the mask when close to other participants.

Lunch break (12:15 - 14:00)

A long break for lunch (1h 45') to allow you to have lunch and to go to the hotel to get the room.

Given the long break, we kindly invite you to come back in the Auditorium on time because we have a very rich program and sharp timing from the building.

