

TE-MPE Outlook 2022

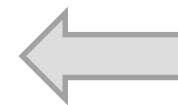
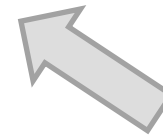
Outlook 2022

- Safety, first
 - In our installations, in the way to CERN and back home
 - Covid will continue imposing restrictions and rules to be respected by all
- We enter an operational period (YETS, Run 3): operate and maintain safely our systems in the LHC, Injectors and Experimental Areas
- We will continue the consolidation of our equipment, upgrades, new installations
- HL-LHC requirements with respect to WP7 – completion of designs, production phase, reception of equipment, QA/QC
- HL-LHC requirements with respect to WP16 – IT String in full swing of installation and preparations
- Prepare the future:
 - Engage into the HFM programme – this is a great opportunity
 - Revise and foster the Group's R&D plan

MPE On-Call services



- A major and fundamental contribution of the Group to the operation of LHC and injectors
- A common effort across **ALL SECTIONS**
- Interventions must be prepared from training and on-the-job rehearsals
- Safety at all times
- Two persons for each intervention



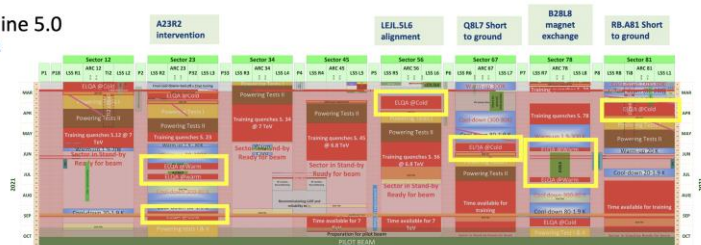
**BIG THANKS TO
EVERYONE OF
THE MEMBERS**

Machine Interlocks Best Effort: LHC + Injectors + EA
A. Antoine, Y. Bastian, A. Colinet, M. Kalinowski,
C. Martin, A. Miranda Fontán, R. Mompo, I. Romera
Ramírez, R. Secondo

2021

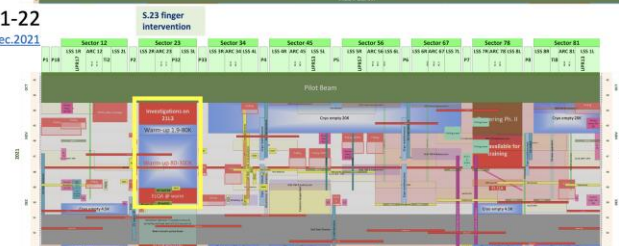
LHC LS2 Baseline 5.0

[LHC-PM-MS-0018 V5.0](#)

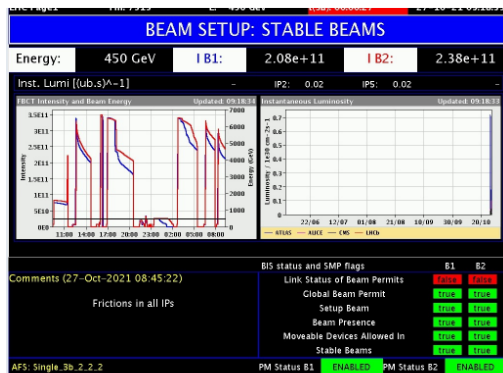
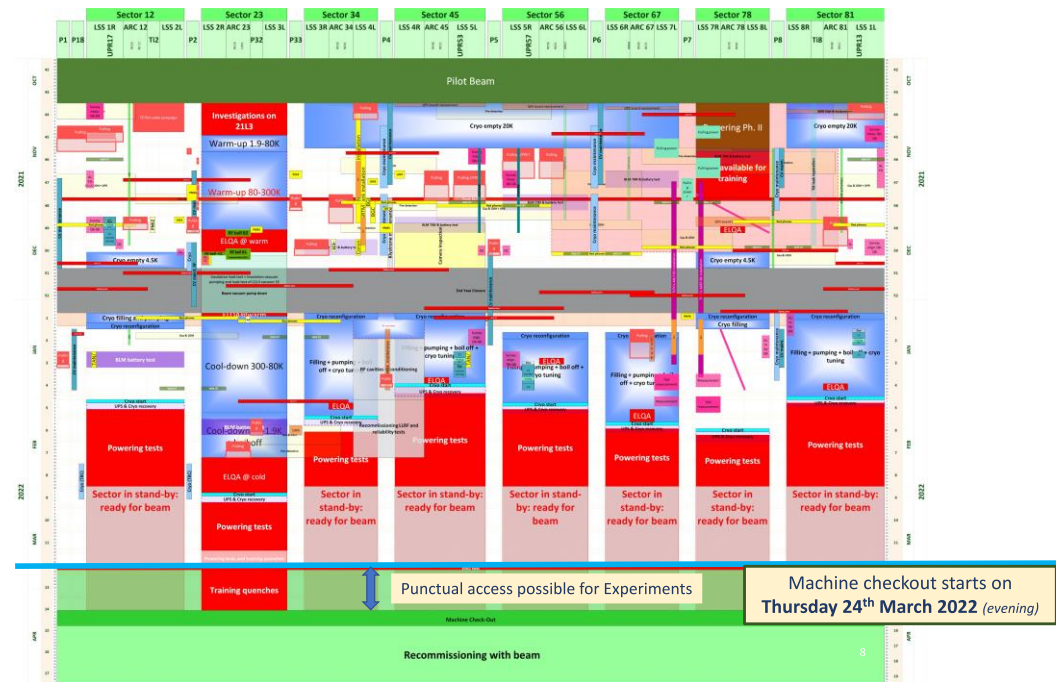


LHC YETS 2021-22

[LMC presentation 1st Dec 2021](#)



2022



450 GeV STABLE BEAMS

Big thanks to

- Miguel, Valeria and Andrzej
 - Anne Laure
 - Patricia and Germana
 - Brigitte
 - Lisa and Macarena
 - Delphine
 - All the group collaborators and support
-
- Caroline
 - Daniel C.
 - Jan (DGL)
 - The Section Leaders

All of the MPE Members for the commitment, high quality work, good spirit and resilience, despite the pandemic

I wish you and the persons close to you ...

God Jul och Gott Nytt År
Hyvää Joulua ja Onnellista Uutta Vuotta
Joyeuses Fêtes
Buone Feste
Glædelig Jul og Godt Nytt
즐거은 연휴 되시길 바랍니다
メリークリスマス
Bula Vinaka
Frohe Feiertage
Schöni Fäschtäg
Grăciun Fericit
Boas Festas
Felices Fiestas
Linksmų švenčių
Prettige Feestdagen
كل عام وأنتم بخير
祝圣诞节快樂
تبریکات فصلی
祝聖誕節快樂

... keep healthy and safe

Message by TE-DH, J.M. Jiménez

Good afternoon everybody!

First of all, let me tell you that I would have preferred to see you in person but the COVID situation was not making it possible. I take this opportunity to underline my full satisfaction about the way the COVID was and is managed by all of you, you all understood that it was not just a supervision responsibility but rather a common Section/Group strategy and behaviour! Many thanks for that. It has been very interesting to attend all presentations, they gave me more in-depth on the complexity and large scope of activities and challenges. As always, amazing. Machine Protection and its electronic is today considered as a high priority and has been helping the development of the MPE Group in the last decade. But it conveys as well some high standards of accountability; and high expectations of confidence. Both aspects are going together and have to be seen as opportunities to consolidate the technical expertise and open the path to successful vibrant R&D program.

We, colleagues from the Technology department with you, MPE have what is needed to run the LHC and Injectors, to ensure the proper levels of Machine Protection, to consolidate further the accelerator chain, to be ready for the next generation of superconducting links and superconducting magnets and devices for HL-LHC project. And finally to be on-board for a brilliant future on Machine Protection and Machine Availability for the next challenges of High Field Magnets for FCC, Muons collider or any other study/project in which CERN will get involved.

Count on me to support the MPE Group and activities, to defend the resources, deliverables, milestones and ensure the equilibrium between what is done in-house and what is done in collaboration with external institutes. Count on me as well to challenge you at the Strategic level since it is my role and sometimes to challenge you on the technical aspects. See that as a sign of my personal interest in your technology and my wish to make you all, work more together to get stronger, to stay the worldwide reference! And build together the successful future we are all expecting.

Once more, I would like to underline the positive contributions of all personnel, Staff, Fellows, Associates, Students and from Industrial Support. And I take this opportunity to warmly thanks all of you for the work carried out these last 12 months, certainly a “special” year that we will not forget and certainly not only due to the COVID-19 constraints... Resuming operation of Injectors, few LHC challenges as we could hear from field MPE reporters, HL-LHC deliverables, R&D works... Be proud of what worked well, you deserve it. And remind that we choose Basic Research to be challenged daily! The *Standard Model* only applies to Particle Physics, certainly not to TE department!

Thanks for all you work and I wish you a nice rest with your families and friends.



Thanks for
your attention

Questions ?