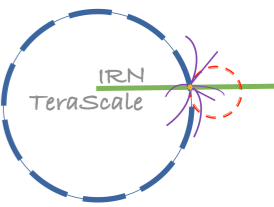


IRN Terascale Nantes 2022

Famous last words 😊
("Farewell" ...)

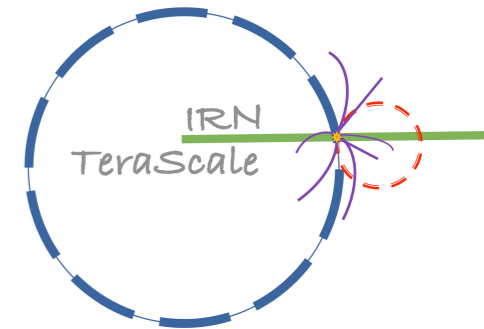
17 October 2022



Thanks to the local organisers!

*Julien Masbou, Tanja Pierret and Mariangela Settimo
and Johan Loizeau*

and all others who made the meeting possible



A very interesting & comprehensive scientific programme:

Thanks to the Terascale Group convenors for putting it together

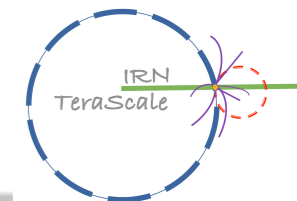
Joint "Dark Universe" sessions (day) with GdR DUPhy
(Deep Underground Physics)



Thanks for the effort of bringing both **communities together**, arranging for the **rich programme!**

<https://gdrduphy.in2p3.fr/>

Programme: linked through DUPhy indico page
(click on Terascale Timetable)



22

| | | |
|-------|--|--|
| | Welcome Charpak amphitheater, SUBATECH | <i>Dr Gines MARTINEZ</i> 09:30 - 09:40 |
| | IRN Terascale presentation Charpak amphitheater, SUBATECH | <i>Ana M. Teixeira et al.</i> 09:40 - 09:45 |
| | GDR DUPhy presentation Charpak amphitheater, SUBATECH | <i>maryvonne de jesus</i> 09:45 - 09:50 |
| 10:00 | Dark matter indirect detection limits from complete annihilation patterns Charpak amphitheater, SUBATECH | <i>Céline ARMAND</i> 09:50 - 10:20 |
| | DM searches @ the LHC and some discussion on complementarity with direct and indirect detection Charpak amphitheater, SUBATECH | <i>Marie-Helene Genest</i> 10:20 - 11:00 |
| 11:00 | Coffee break Charpak amphitheater, SUBATECH | 11:00 - 11:30 |
| | Coscatting in micrOMEGAs: a case study for the singlet-triplet dark matter model Charpak amphitheater, SUBATECH | <i>Gaël Alguero</i> 11:30 - 12:00 |
| 12:00 | Probing extended Starobinsky-inflation with future cosmic data Charpak amphitheater, SUBATECH | <i>Benedikt Schosser</i> 12:00 - 12:30 |
| | Searching for New Physics in the First XENONnT Data Charpak amphitheater, SUBATECH | <i>Dr Erwann Masson</i> |

la Settimo
ng possible

programme:
putting it together

R DUPhy



Thanks for the effort
together, arra

Programm

| | | |
|-------|--|---|
| | DarkSide 50 S2-only results and future DarkSide 20k Charpak amphitheater, SUBATECH | <i>Dr Davide Franco</i> 14:30 - 15:00 |
| 15:00 | First Results of the Low Background Chamber and the DAMIC-M Experiment Charpak amphitheater, SUBATECH | <i>Dr Jean-Philippe Zopounidis</i> 15:00 - 15:30 |
| | Low mass Dark Matter searches with NEWS-G: Results with a methane target <i>Francisco Andres Vazquez de Sola Fernandez</i> | |
| 16:00 | Coffee break Charpak amphitheater, SUBATECH | 16:00 - 16:30 |
| | DARWIN and the XLZD Consortium Charpak amphitheater, SUBATECH | <i>Luca Scotto Lavina</i> 16:30 - 16:50 |
| 17:00 | The Dark Matter Plotter Charpak amphitheater, SUBATECH | <i>olivier dadoun</i> 16:50 - 17:10 |
| | Discussion | |

Next meeting in 2023 (dates TBA)

- Spring meeting @ **LPSC, Grenoble**
(Thanks to Sabine Kraml & Jérémie Quevillon!)



Satellite meetings/ideas: afternoon (morning) dedicated to
machine learning?

Terascale meetings:

Meeting point of particle & astroparticle, th, ph & exp communities

Include blocks (dedicated rooms) for selected hands-on & informal discussion

Round tables => contact us!

Terascale meetings: dinner!

Usually happens before "last words", and a source of fond, long-lasting Terascale memories



Nantes, 2016

Nantes, 2022

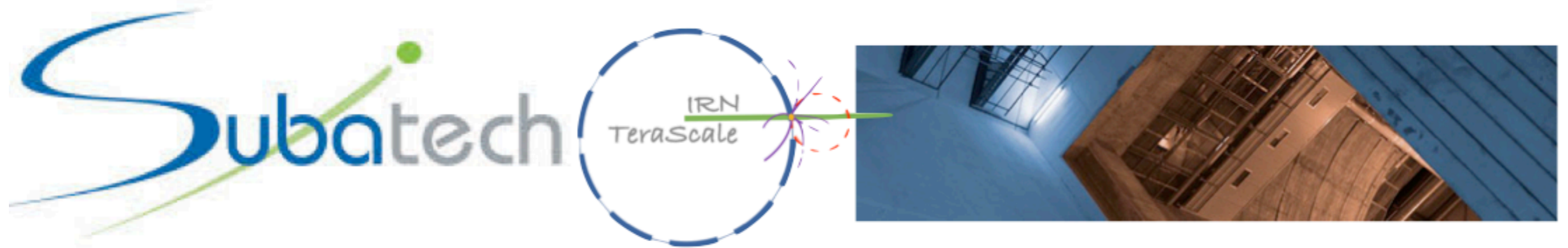
Tonight @ 7.30pm

Radisson Blue Nantes

6 Pl. Aristide Briand,
44000 Nantes



IRN Terascale Nantes 2022



Stay around for **"Dark Universe" day**
(Wednesday - joint Terascale & DUPhy sessions)

Safe journey home 😊

See you soon for more Terascaling (LPSC-Grenoble)

Marie-Hélène & Ana