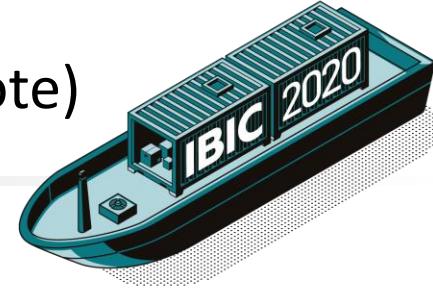


IBICO International Beam Instrumentation Conference '20 **Santos** Brazil





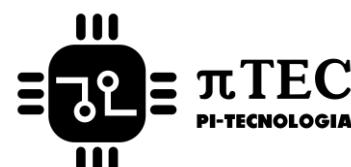
IBIC 2020 - 9th International Beam Instrumentation Conference (Remote)



EXHIBITORS



Faraday Cup Award:
Faraday-cup.com



MINISTRY OF
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(Editor-in-chief)***

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Welcome
Virtual IBIC Guide

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- ↳ For Oral Presenters
- ↳ For Exhibitors
- ↳ Demo Video

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Registration
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- ↳ Virtual Poster Sessions

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PRAB Special Edition



Physical Review Accelerators and Beams (PRAB) is publishing a Special Edition for the 9th International Beam Instrumentation Conference, IBIC 2020, which is held remotely on 14–19 September 2020. **Ubaldo Iriso** from the **ALBA-CELLS** will act as the Editor of this Special Edition.

PRAB is an all-electronic open access journal published by the **American Physical Society** and available at <https://journals.aps.org/prab/>. PRAB conference editions provide global access and archiving beyond that ordinarily offered by conference proceedings.

A complete collection of papers submitted to IBIC 2020 are posted on JACoW (<http://www.jacow.org>), without any further review of its scientific content. The Scientific Program Committee recommends that all conference authors consider submitting an extended version of their IBIC 2020 paper to PRAB. If accepted for publication they will be published both as regular PRAB articles and as part of the IBIC 2020 Special Edition, thus increasing its visibility.

There are many reasons why you should consider publishing in the IBIC 2020 Special Edition.

Publication Guidelines

Authors must submit their manuscripts directly via the PRAB submission website, and they should note that their paper is for the IBIC 2020 Special Edition in the message accompanying the submission.

Submission Guidelines can be found here: <https://journals.aps.org/authors/web-submission-guidelines-physical-review>.

There is no deadline, but submission before **31 January 2021** is encouraged.

Contact



If you have general questions related to the PRAB policies, please contact the PRAB Editor **Frank Zimmermann** (frank.zimmermann@cern.ch).

If you have particular questions regarding publishing your paper in the IBIC 2020 Special Edition, please contact the Special Conference Editor **Ubaldo Iriso** (ubaldo.irisio@cells.es).



We look forward to your contribution.



The Faraday Cup Award

LINKS

- Home
- The Previous Winner
- Submit for 2020
- How Are the winners Selected?
- Rules for the selection of the Faraday Cup Awardee
- Past recipients of the Faraday Cup Award
- The Famous Faraday Cup Posters
- IBIC/BIW Program Committee
- Links to Beam Instrumentation Web Sites

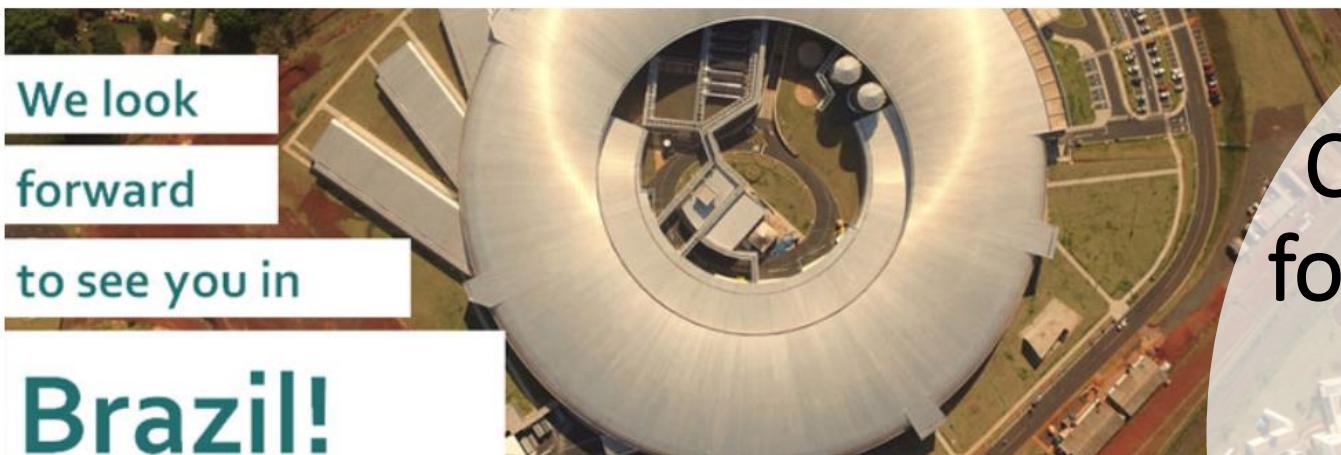
The Faraday Cup Award

 print version



September 13 - 17, 2019

Submission Deadline: February 21, 2020



See you in Santos Brazil.

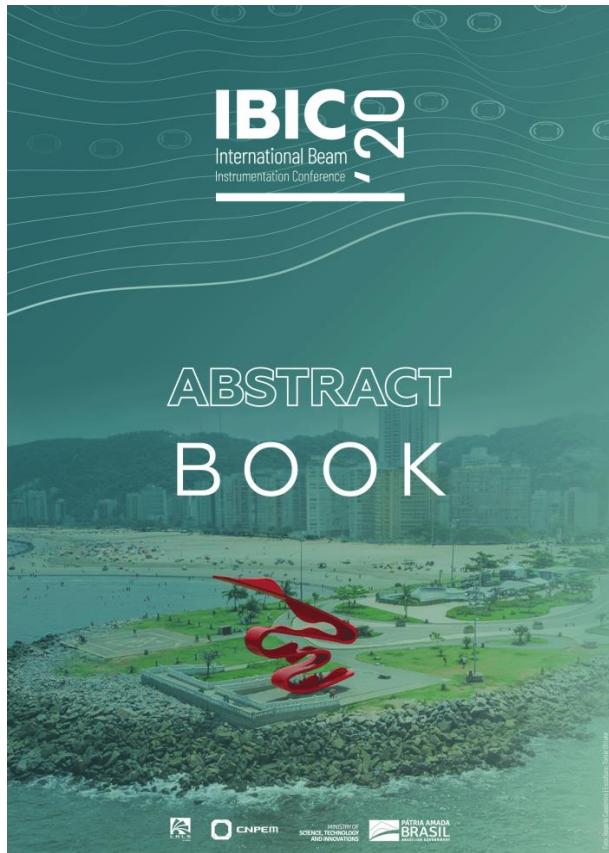
What is a Faraday Cup?

A Faraday Cup is device for measuring the current in a beam of charged particles. In its simplest form it consists of a conducting metallic chamber or cup, which intercepts a particle beam. An electrical lead is attached which conducts the current to a measuring instrument. Detection can be as simple as an ammeter in the conducting lead to ground or a voltmeter or oscilloscope displaying the voltage developed across a resistor from the conducting lead to ground. A bias voltage applied either to the cup itself or a repelling grid preceding the cup, or a magnetic field, is usually used to prevent secondary emission from distorting the reading. The design can be significantly more complicated when it is necessary to make measurements of very short pulses or very high energy beams which may not be fully stopped in the thickness of the detector. Some examples can be found at the following sites:

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Website will be
updated soon!



- Whova platform, including the Q&A boards and communities will be online for several months!
- Feel free to continue asking and answering the Q&A boards and topics of the communities!
- Proceedings will be published and linked from the Indico Website: <https://indico.jacow.org/e/ibic2020>

IBIC 2020 LOCAL Organizing Committee



Renan Picoteti



Priscila Alves



Dora Marques

Lucas Dias



Bourbon Santos Convention Hotel

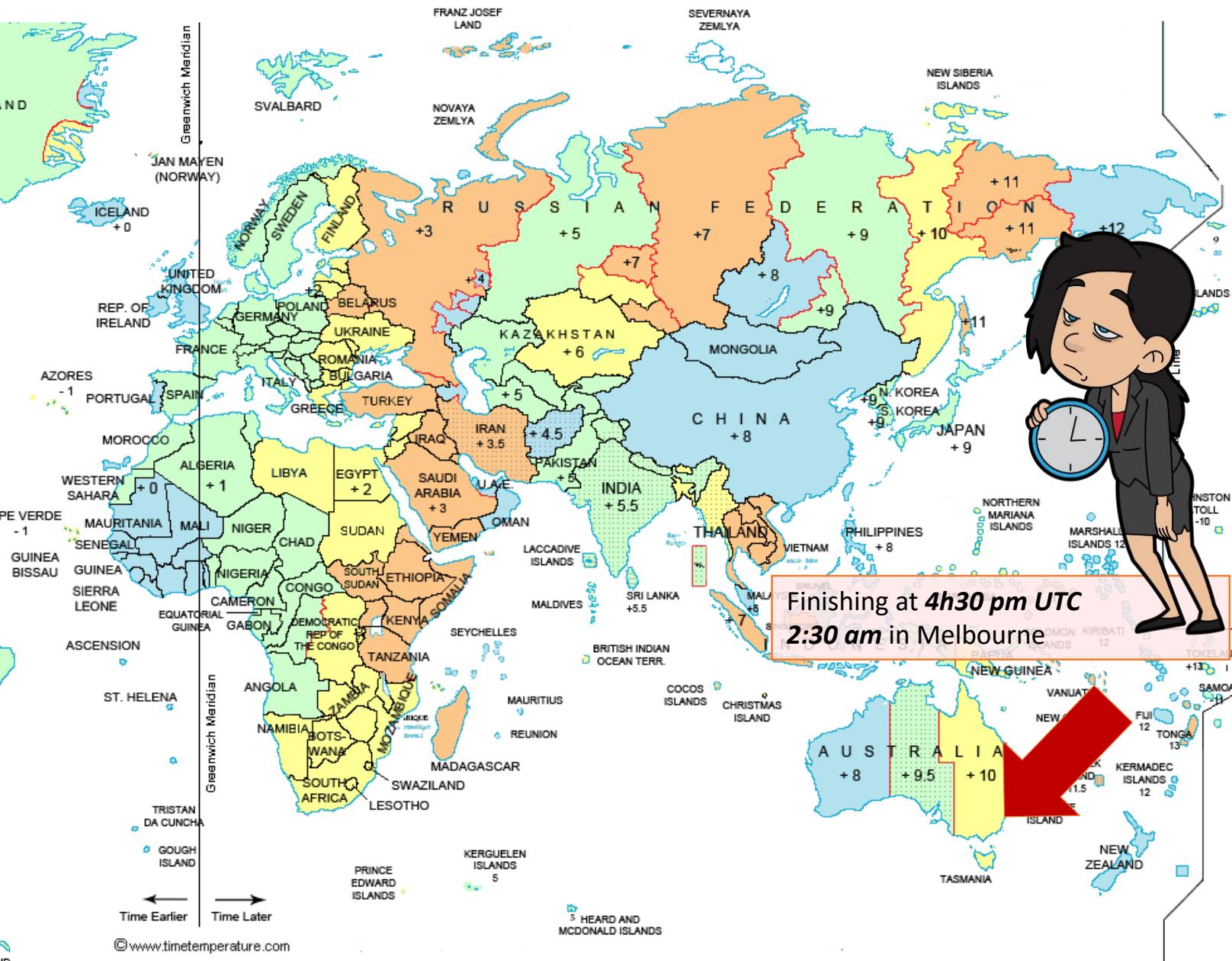
Santos city





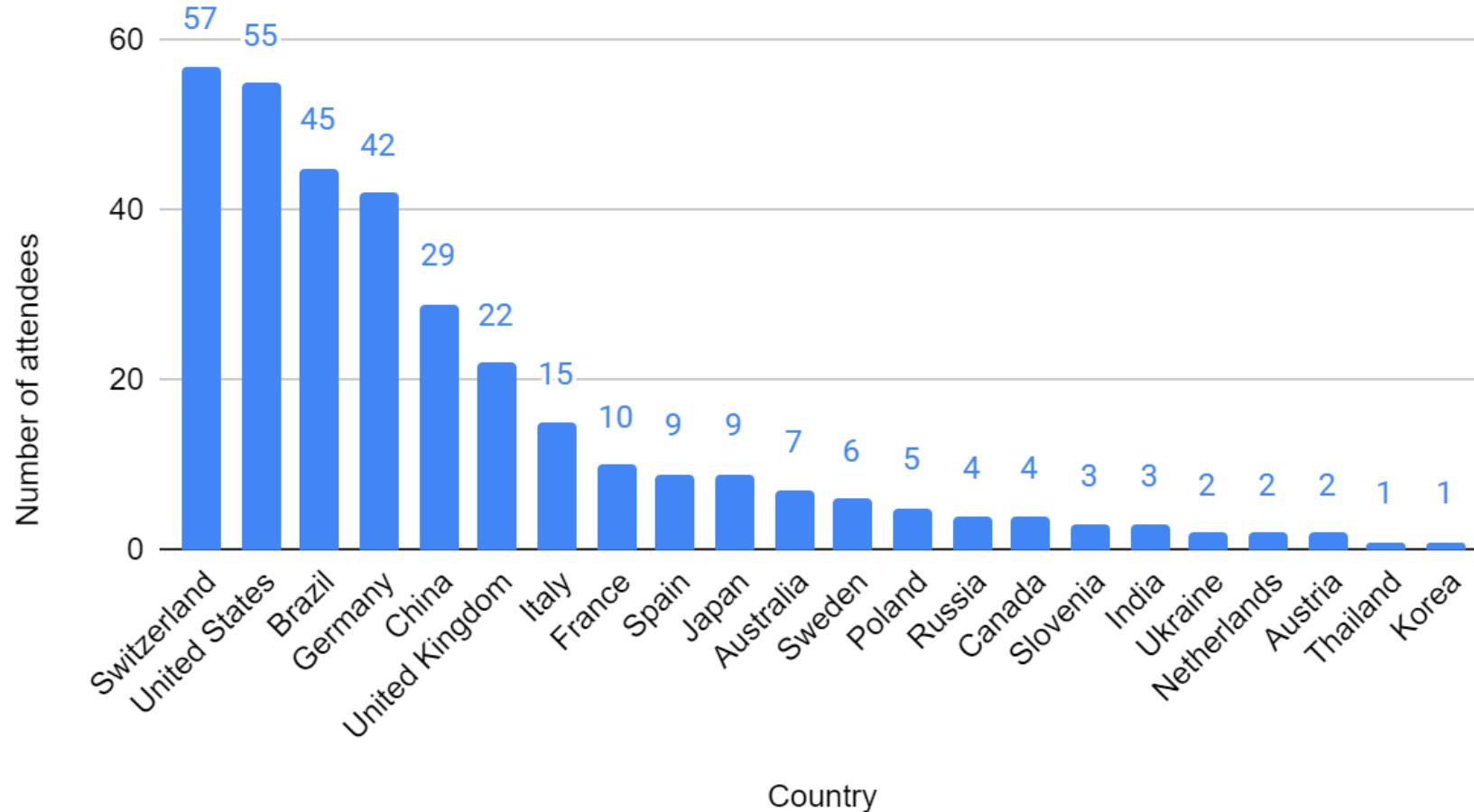
Santos city (before the pandemic)

Starting at 1 pm UTC
6 am in Vancouver and California



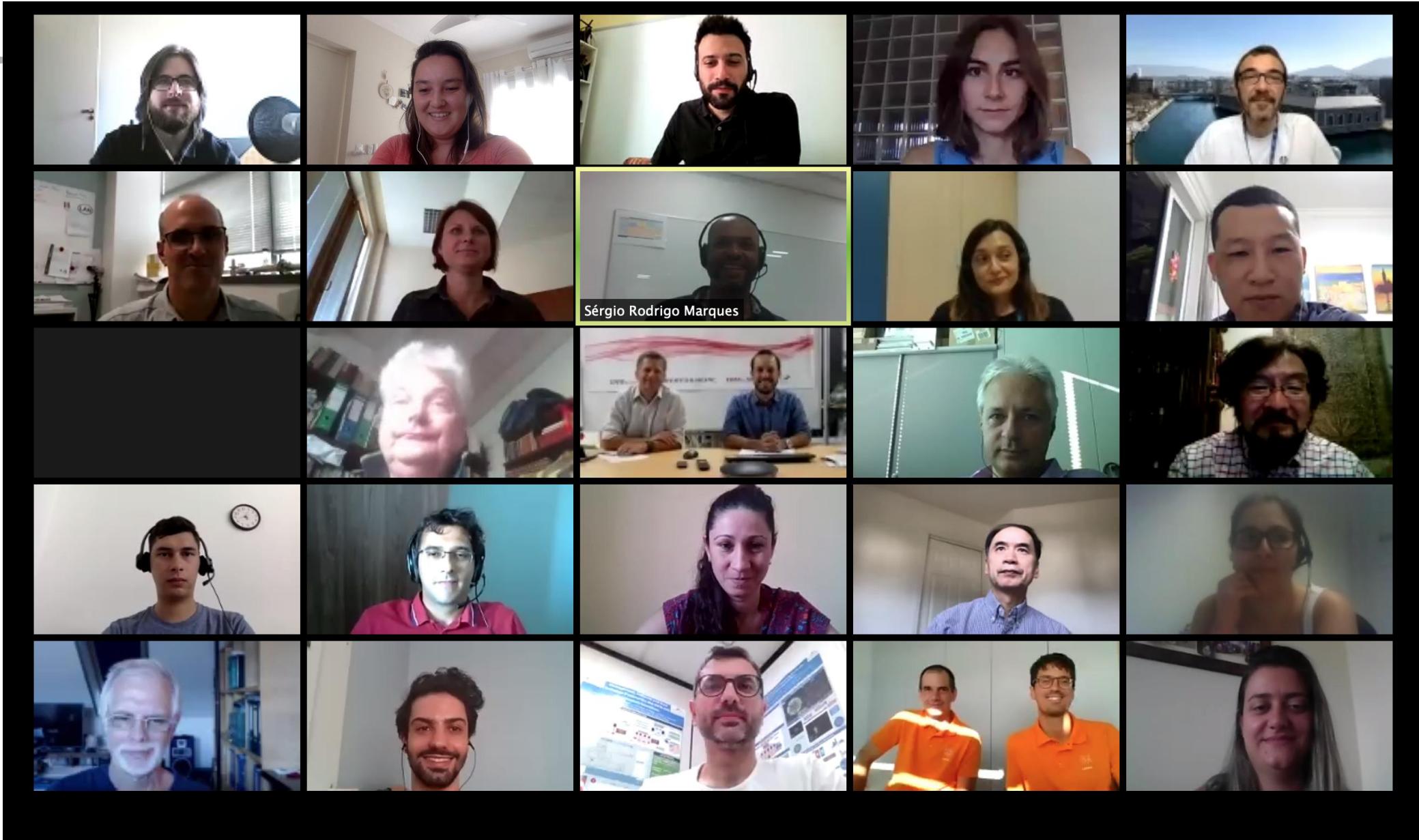
Finishing at 4h30 pm UTC
2:30 am in Melbourne

Attendance by Affiliation's Country



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IBIC 2020 group photo (1 / 7)



IBIC 2020 group photo (2 / 7)



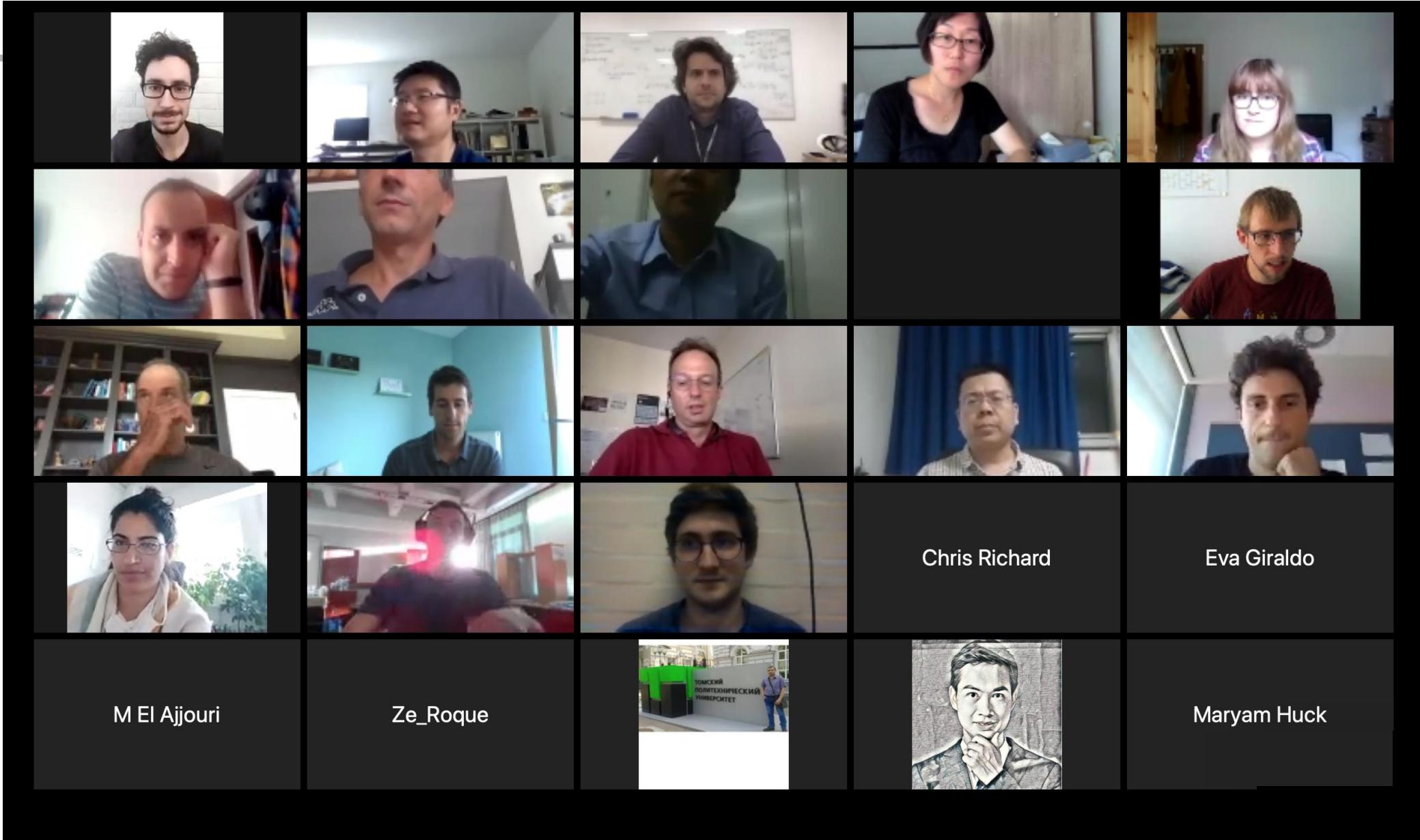
IBIC 2020 group photo (3 / 7)



IBIC 2020 group photo (4 / 7)



IBIC 2020 group photo (5 / 7)



IBIC 2020 group photo (6 / 7)

mamodeo	Eugenio Senes	Ross Hogan	wanjun	Shuai Ma
Sara Vigo	Shanshan Cao	Julia	Ralph Steinhagen	gaobo
Yunkun Zhao	Salvatore Carlo	Douglas Bett	Jonah Weber	Andreas
diogo.alves@cern.ch	Federico Roncarolo	Tamaki Watanabe	Son Cao	Silke Vilcins
Jian Chen	Inaki	Jonathan Emery	Artem Novokshonov	Karen White

IBIC 2020 group photo (7 / 7)

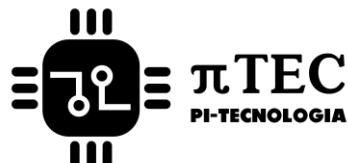
kacper	guangyu zhu	Bryce Jacobson	mtortora	Sanshuang Jin
Viktoria Meskova	Anna Lauria	silvano.bassanese_pcle...	Dickson	Alan Tipper
Chuhan Wang	Stefano Mazzoni	Mathieu Saccani	Sajjad Hussain Mirza	Ícaro Mateus Gonçalve
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Thank you!

bergoz

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THANK YOU!

