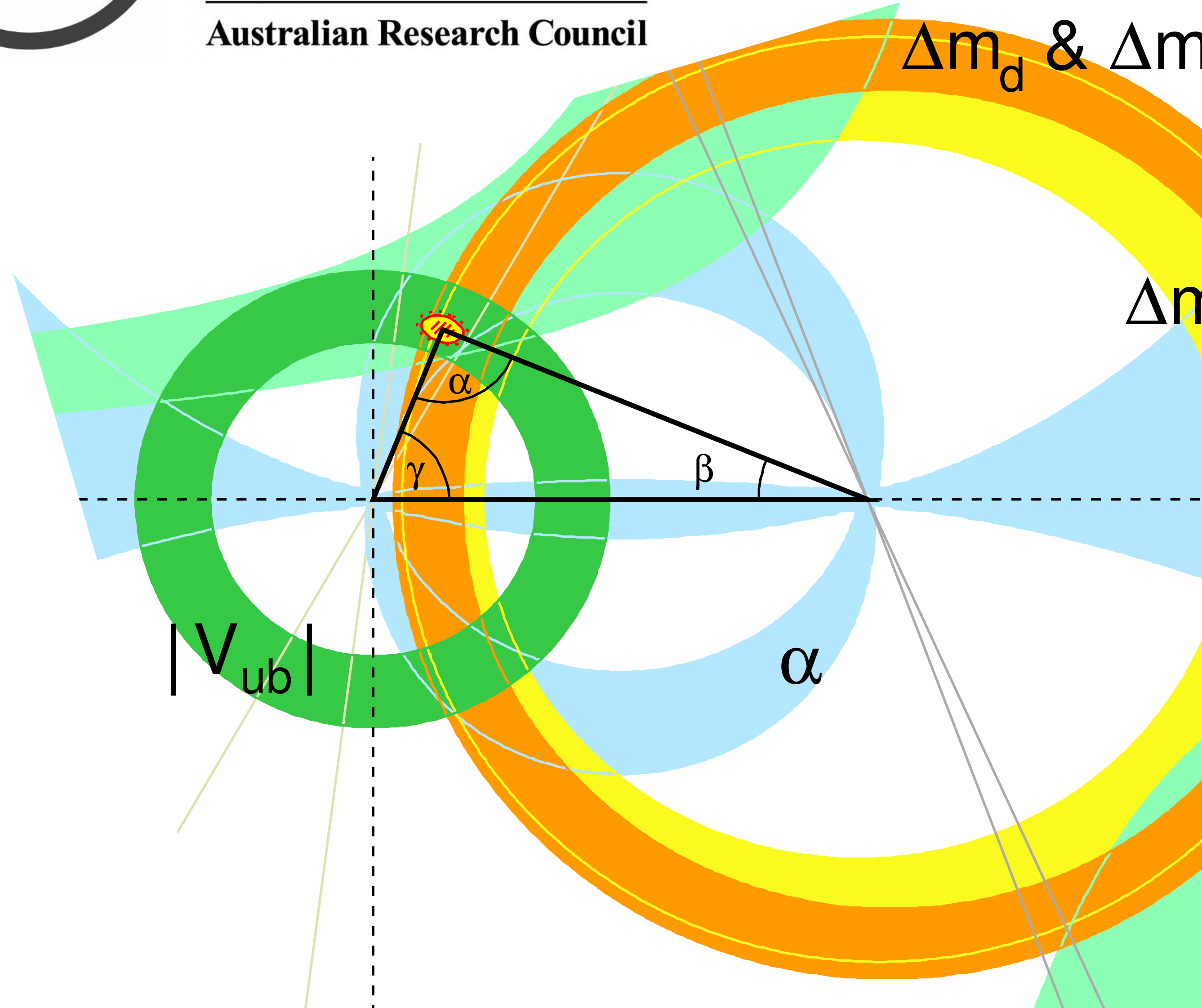




11th International Workshop on the CKM Unitarity Triangle (CKM 2021)

Phillip Urquijo
The University of Melbourne
Welcome and Introduction



Acknowledgement of Country

We acknowledge the elders, and descendants of the Wurundjeri people who have been and are the custodians of these lands. We acknowledge that the land on which we meet was the place of age-old ceremonies, of celebration, initiation and renewal, and that the local Aboriginal peoples have had and continue to have a unique role in the life of these lands.



CKM 2021

International Advisory Committee

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11th International Workshop on the CKM Unitarity Triangle

November 22 - November 26, The University of Melbourne

Website/Registration <https://indico.cern.ch/event/891123/>

Virtual Welcome to Melbourne/Naarm



Virtual Welcome to Melbourne/Naarm



The University of Melbourne Campus

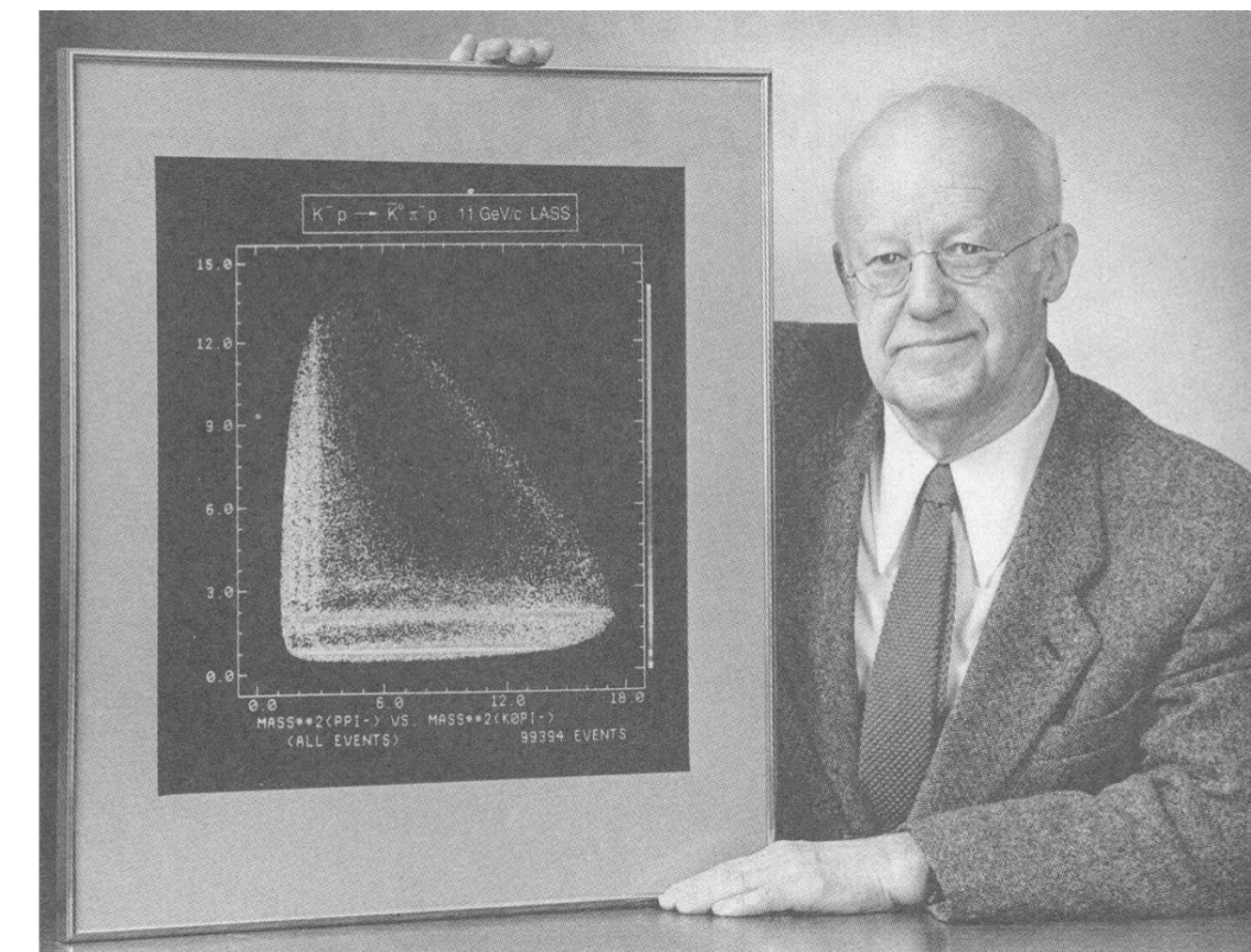


The University of Melbourne

- Students **54 000+**
- International Students **44%** from **155** countries
- Undergraduate **51%**, Postgraduate **49%**
- Total personnel **9 200** (**4 800** academic)
- Research expenditure second only to CSIRO, with over **100** research centres and institutes
- Ranked **#1** in Australia, **#33** in the world by THE



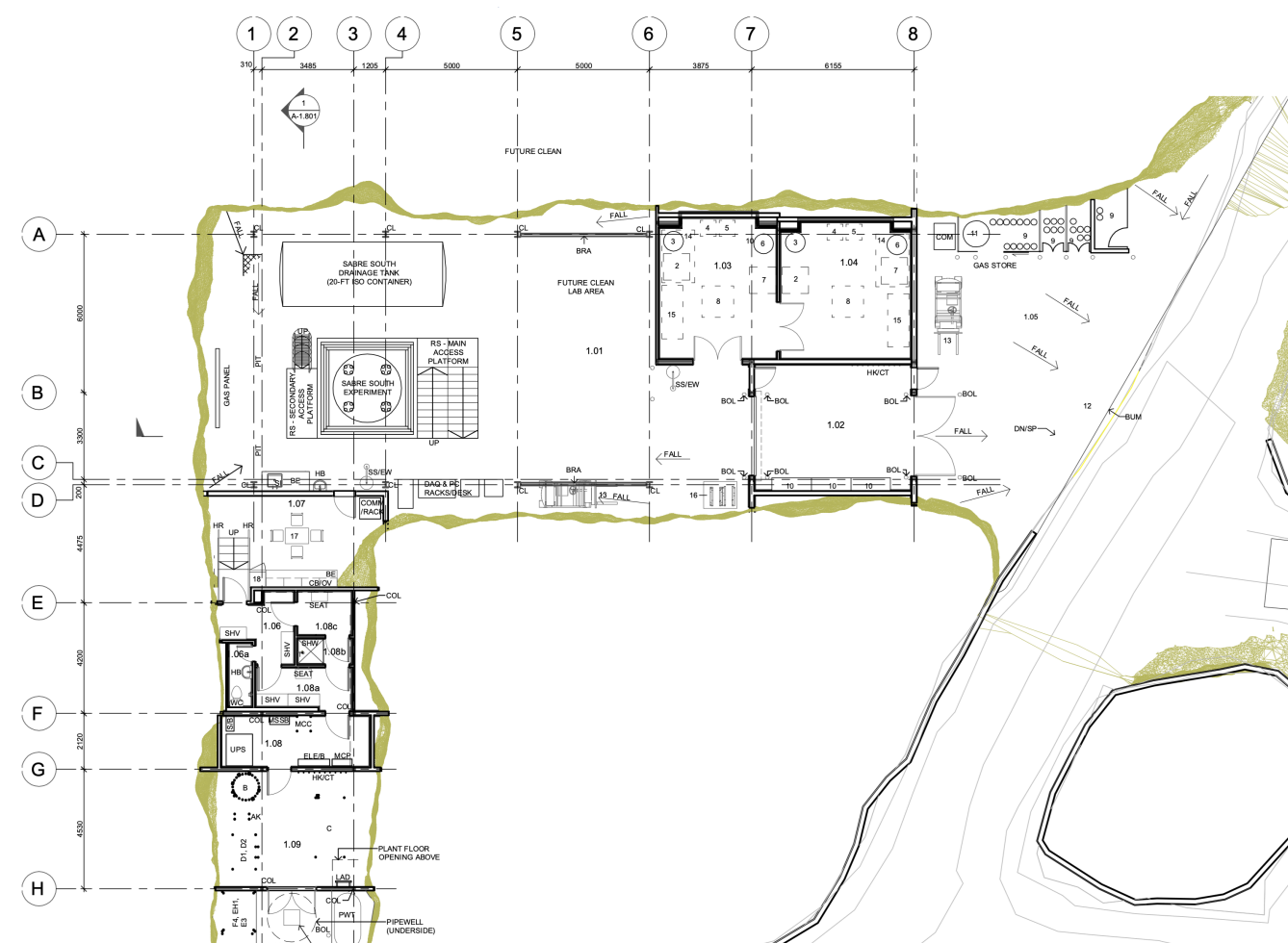
Helen Quinn



Richard Dalitz

School of Physics — Stawell Underground Physics Lab

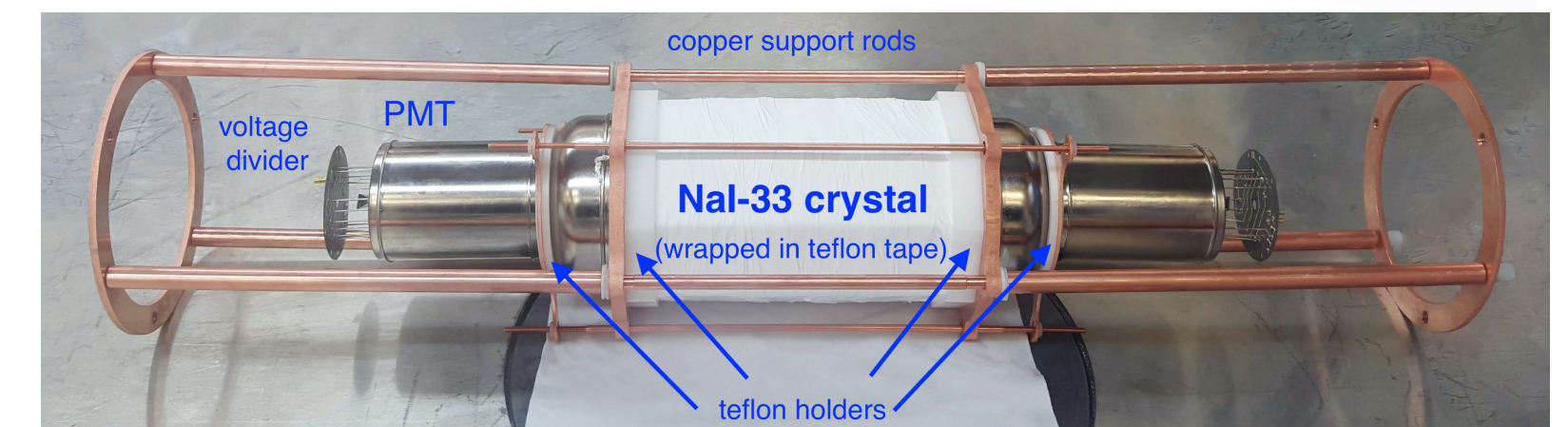
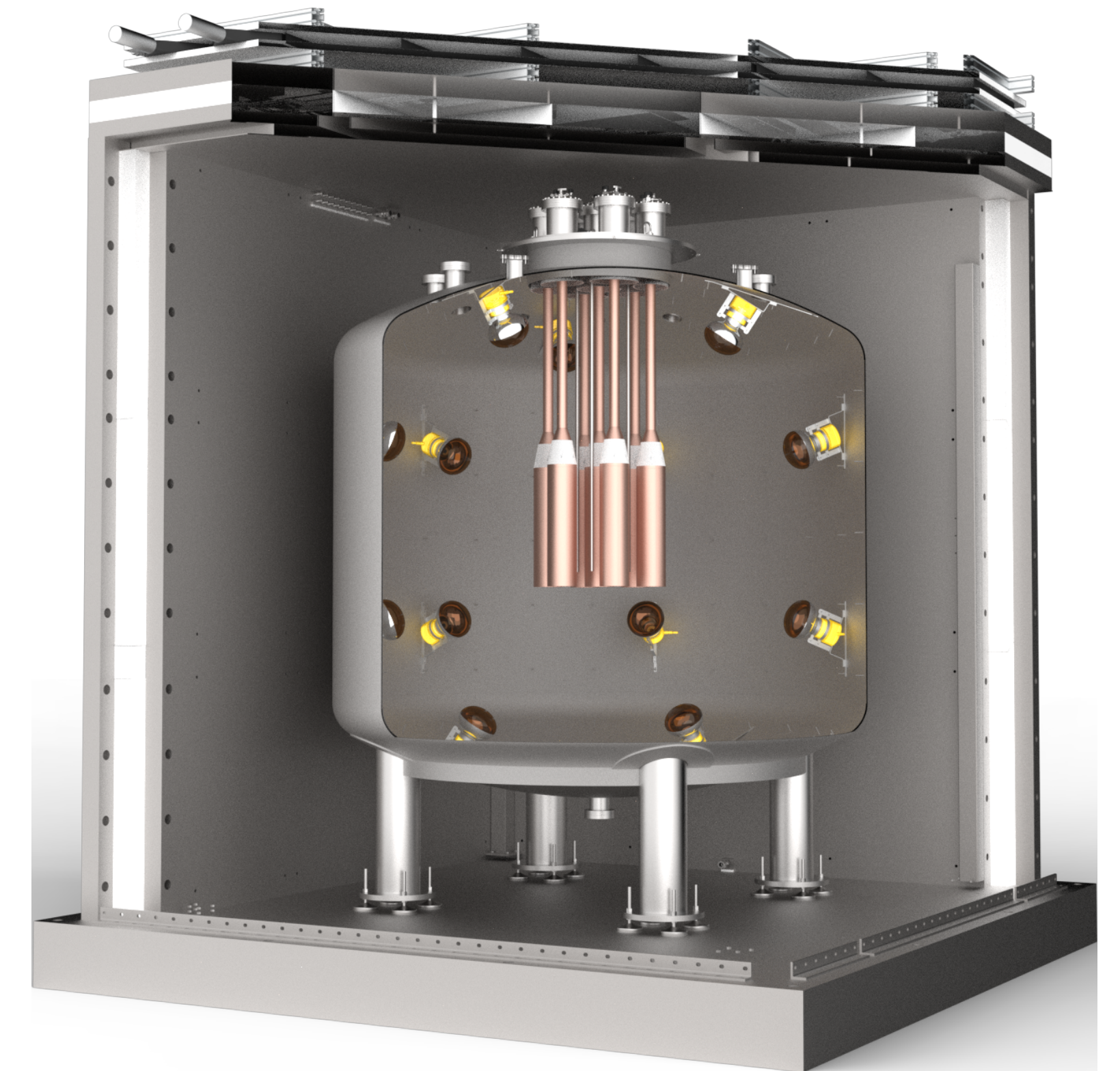
- First deep underground (1025m) physics laboratory in the Southern Hemisphere. Completion early 2022.
- SABRE NaI(Tl) (flagship) experiment to be assembled and commissioned in 2022.



CKM 2021



Phillip URQUIJO



益川 敏英, MASUKAWA Toshihide, 7 February 1940 – 23 July 2021



Sheldon Stone, 14 February 1946 – 6 October 2021



CKM Working Groups

WG1: V_{ud} , V_{us} , V_{cd} , V_{cs} and semileptonic/leptonic D decays

Lei Li (BIPT)

Emilie Passemar (Indiana University)

Martin Gonzalez-Alonso (University of Valencia)

WG2: V_{ub} , V_{cb} and semileptonic/leptonic B decays including τ

Racha Cheaib (DESY)

Mark Smith (Imperial College London)

Alejandro Vaquero (The University of Utah)

WG3: Rare B, D and K decays, radiative and electroweak penguin decays, including constraints on V_{td}/V_{ts} and ε'/ε

Diego Guadagnoli (LAPTH Annecy)

Christoph Langenbruch (RWTH Aachen)

Elisa Manoni (INFN Perugia)

WG4: Mixing and mixing-related CP violation in B system: Δm , $\Delta\Gamma$, ϕ_s , ϕ_1/β , ϕ_2/α , ϕ_3/γ

Veronika Chobanova (University of Santiago de Compostela)

Matthew Wingate (University of Cambridge)

Yosuke Yusa (Niigata University)

WG5: Direct CP violation (DCPV) including ϕ_3/γ from $B \rightarrow DK$, DCPV effects, branching fractions and polarisation in charmless B(s) decays

Joachim Brod (University of Cincinnati)

Resmi PK (CPPM Marseille)

Wenbin Qian (University of Chinese Academy of Sciences)

WG6: High- p_T flavor physics: $H \rightarrow f'f$ decays, single top production, direct measurement of V_{td} , V_{ts} , V_{tb} , rare top decays, CPV at high p_T

Matthias Komm (CERN)

Umberto De Sanctis (University of Roma Tor Vergata)

WG7: Mixing and CP violation in the D system: x_D , y_D , $|q/p|_D$, ϕ_D , DCPV in D decays

Cheng-Wei Chang (National Taiwan University)

Adam Davis (University of Manchester)

Zoom, Talk uploads, Proceedings

- **Zoom**

- All Zoom Rooms: <https://indico.cern.ch/event/891123/page/23717-zoom>

- **Talks**

- Upload talks prior to your session. Get a CERN (lightweight) account if you don't already have one <https://account.cern.ch/account/Externals/>.

- **Proceedings**

- They will be published with Proceedings of Science and will be open access. All speakers are invited to prepare proceedings (approx. 6 page limit for individual talks).
- *As is customary for CKM workshops, the working group reports are intended to be reference documents for the field and are a focal point to record the results and discussions that take place at the workshop.*
- The proceedings are sponsored by the Australian Research Council Centre for Dark Matter Particle Physics (<https://www.centredarkmatter.org>).