

CKM 2023

12th INTERNATIONAL WORKSHOP ON THE CKM UNITARITY TRIANGLE



KOBAYASHI



CABIBBO



MASKAWA



SANTIAGO DE COMPOSTELA
18-22 SEPTEMBER 2023

B.23 K. Vítánský

CKM 2023 Closing

*Alan Schwartz
on behalf of the
CKM Workshop Series Standing
Committee*



CKM Workshop Series

Standing Advisory Committee

As the Program Committee and IAC are often changing/evolving, this committee was created to guarantee continuity and consistency of the workshop series. Members are chosen from among those who organized a workshop or helped create the series; most members on the Program Committee or IAC. Suggestions and complaints should be sent to them.

Paolo Gambino (Torino)
Monica Pepe-Altarelli (CERN)
Toru Iijima (Nagoya)
Andreas Kronfeld (FNAL)
Tim Gershon (Warwick) *coordinator*
Alan Schwartz (Cincinnati)
Christoph Schwanda (Vienna)
Gagan Mohanty (TIFR)
Stephanie Hansmann-Menzemer (Heidelberg)
Monika Blanke (KIT)
Phillip Urquijo (Melbourne)
Veronika Chobanova (Caruna)

The CKM Workshop Series

- 12th: Santiago de Compostela, Spain, 18 – 22 Nov 2021
- 11th: University of Melbourne, Australia [online], 22 – 26 Nov 2021
- 10th: Universität Heidelberg, Germany, 17 – 21 Sep 2018
- 9th: TIFR, Mumbai, India, 28 Nov – 2 Dec 2016
- 8th: Vienna University of Technology, Austria, 8 – 12 Sep 2014
- 7th: University of Cincinnati, USA, 28 Sep – 2 Oct 2012
- 6th: University of Warwick, UK, 6 – 10 Sep 2010
- 5th: Rome, Italy, 9 – 13 Sep 2008
- 4th: Nagoya University, Japan, 12 – 16 Dec 2006
- 3rd : University of California, San Diego, USA, 15 – 18 Mar 2005
- 2nd: University of Durham, UK, 5 – 9 Apr 2003
- 1st: CERN, 13 – 16 Feb 2002

We had a great week!



CKM 2023 Conveners: WG 1-4

Working Group 1

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

Bipasha Chakraborty	(Cambridge/Southampton)
Alex Gilman	(Oxford)
Martin Hoferichter	(Bern)
Michal Koval	(Charles University)

Working Group 2

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

Svende Braun	(University of Washington)
William Jay	(MIT)
Raynette van Tonder	(McGill)
Ryoutaro Watanabe	(CCNU)

Working Group 3

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

Andreas Jüttner	(Southampton/CERN)
Carla Marin Benito	(Barcelona)
Saurabh Sandilya	(Hyderabad)
Emmanuel Stamou	(Dortmund)

Working Group 4

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

Agnieszka Dziurda	(Krakow)
Thibaud Humair	(MPI)
Vladyslav Shtabovenko	(Siegen)

CKM 2023 Conveners: WG 5-7

Working Group 5

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

Melissa Cruz Torres	(CBPF)
Minakshi Nayak	(Tel Aviv)
Gilberto Tetlamatzi-Xolocotzi	(Orsay)

Working Group 6

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

Jack Chen	(Taiwan)
Andrea Knue	(Freiburg)
Michihisa Takeuchi	(China)

Working Group 7

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

Patricia Magalhaes	(Universidad Complutense de Madrid)
Tara Nanut Petric	(CERN)
Stefan Schacht	(Manchester)

A big thank you to all the conveners!

CKM 2023 Local Organizing Committee

Veronika Chobanova [chair] (UdC)

Jeremy Dalseno (USC/IGFAE)

Elvira Gámiz (UGR)

Sven Heinemeyer (IFT, UAM/CSIC)

Joaquim Matias (UAB/IFAE)

Carlos Mariñas Pardo (IFIC/CSIC)

Diego Martínez Santos (GAIN/USC/IGFAE)

Arantza De Oyanguren Campos (IFIC/UV)

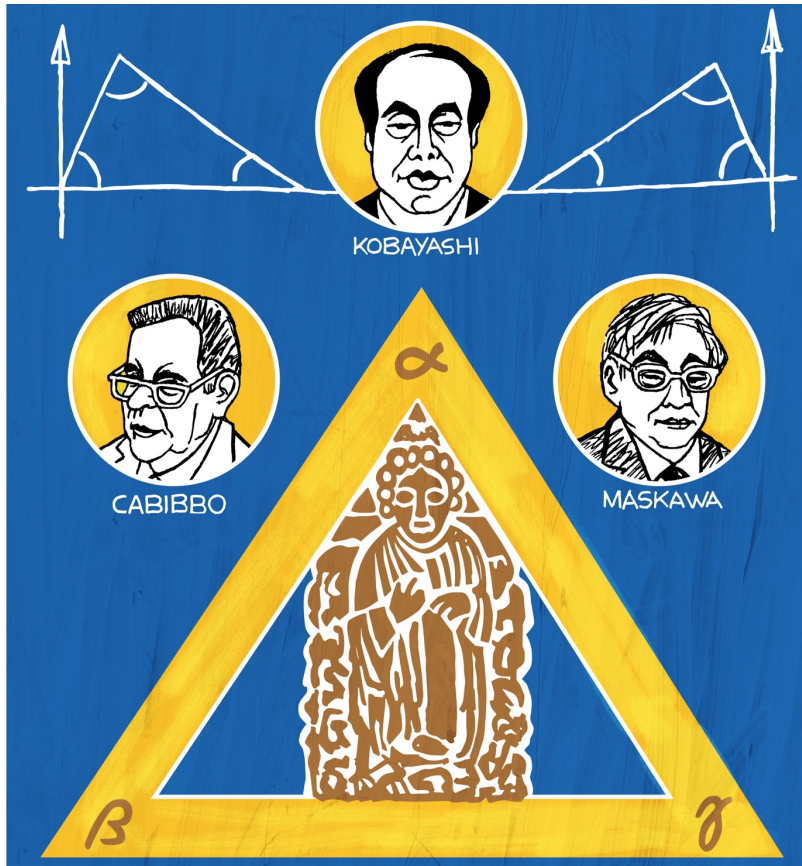
Antonio Pich (IFIC/UV)

Claire Prouvé (USC/IGFAE)



A huge thank you for a smooth workshop!

Some very nice (and unusual) touches!



original art from a professional artist



*authentic craftsmanship
for the gift*



menu for the banquet

CKM 2025:

*Cagliari, Sardinia,
Italy*



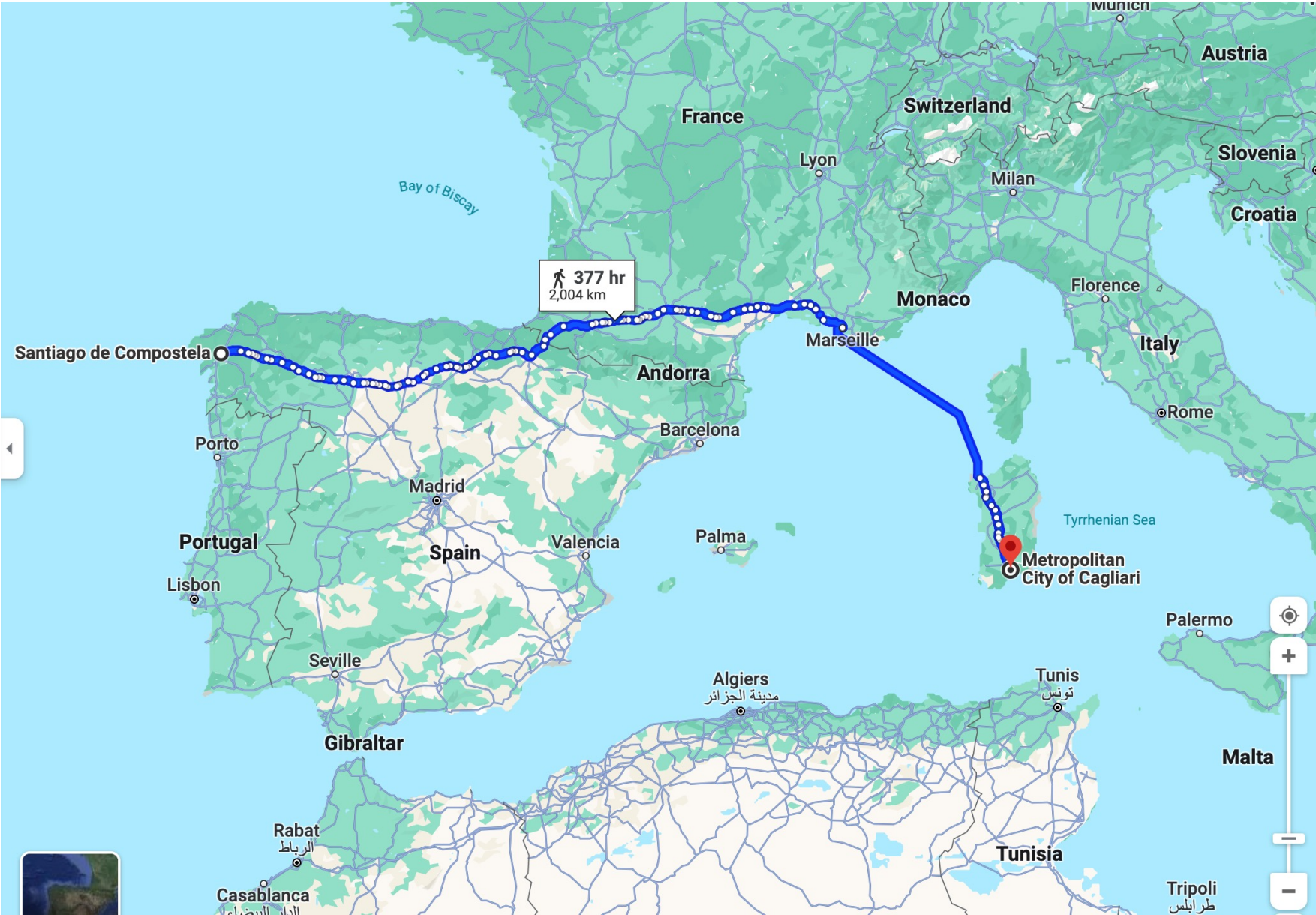
tentatively: September 2025

LOC Co-chairs:

Francesco Dettori (Univ. Cagliari)

Francesca Dordei (INFN Cagliari)

Cagliari, Italy: within walking distance (+ short ferry ride):



- *Thanks for attending*
- *Have a safe trip home*
- *Keep running jobs, making plots, performing calculations, refining theories*
- *See you in Cagliari!*

