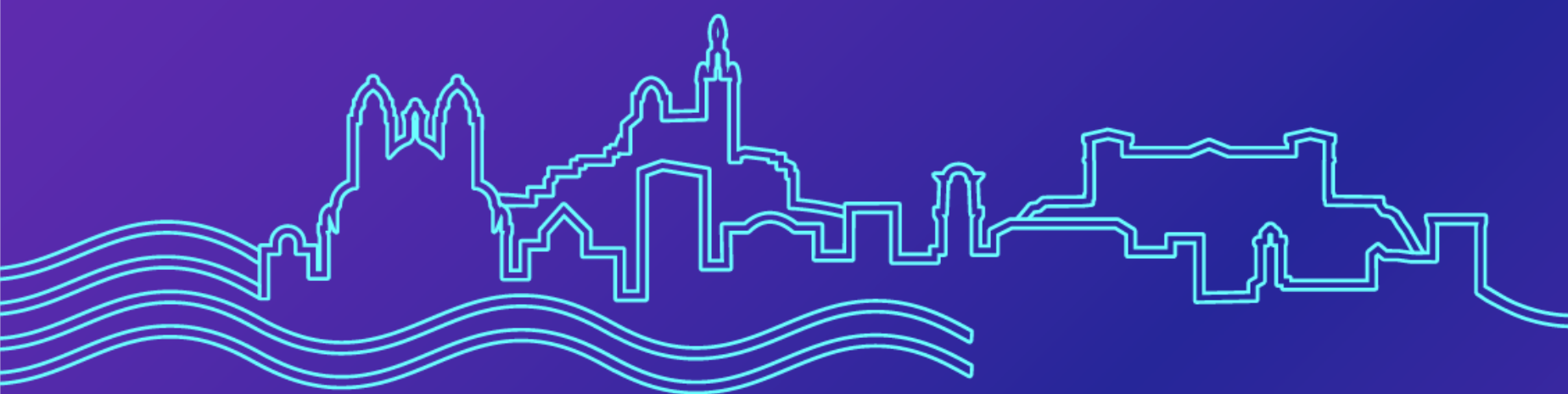


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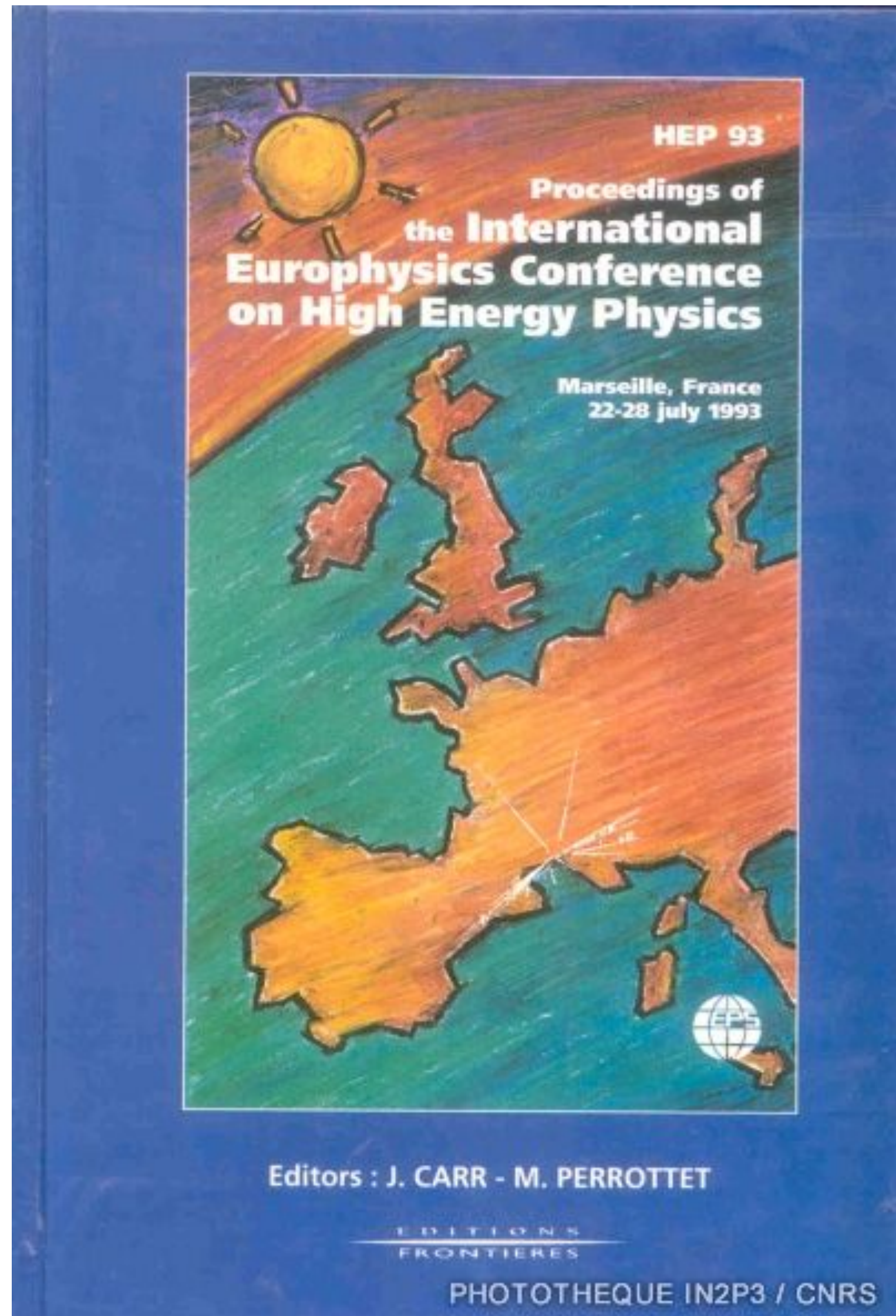
EPS-HEP CONFERENCE
07-11 JULY, 2025
PALAIS DU PHARO
MARSEILLE, FRANCE

Closing remarks

Thomas STREBLER
for the LOC

From EPS-HEP 1993 to 2025

- 1993 impactful year for Marseille



- Very happy to host back EPS-HEP conference 32 years later



Organisation

- Organised jointly by HEPP division of EPS + six French research laboratories



European Physical Society
High Energy and Particle Physics Division





Sponsors



Attendance

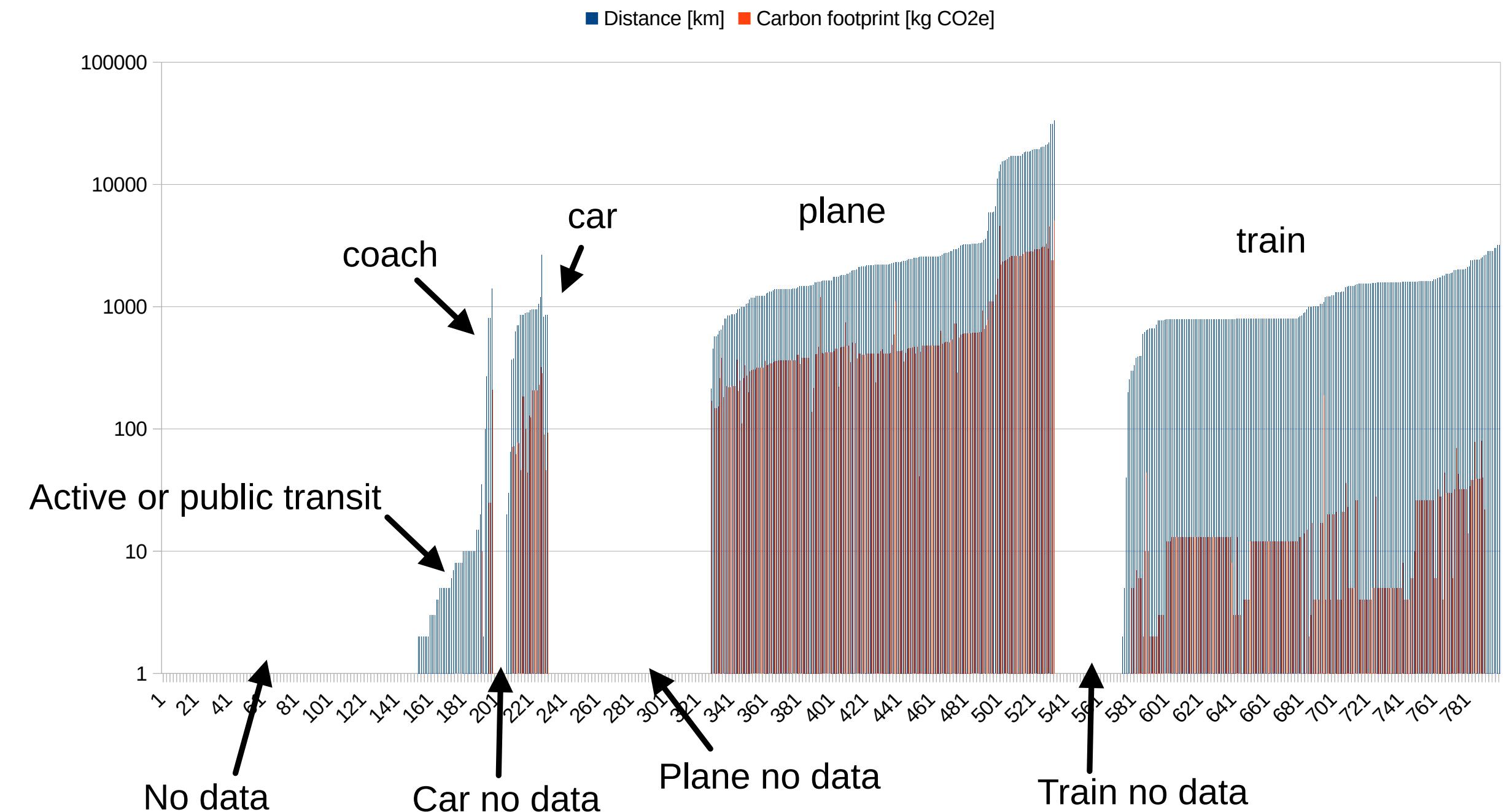
- **Contribution statistics**
 - 526 parallel talks
 - 38 plenary talks
 - 102 posters
- **775 on-site participants + 23 remote attendants**

Environmental impact

- **Travel statistics based on 450 participants:**

181 t CO₂e = 19 yearly footprint of average French citizen

Dominated by plane
Long distance travel by trains ramping up



- **Leftover food given to local social associations**

Pictures and social medias

- Pictures will be available in coming days at [this link](#) for personal usage only

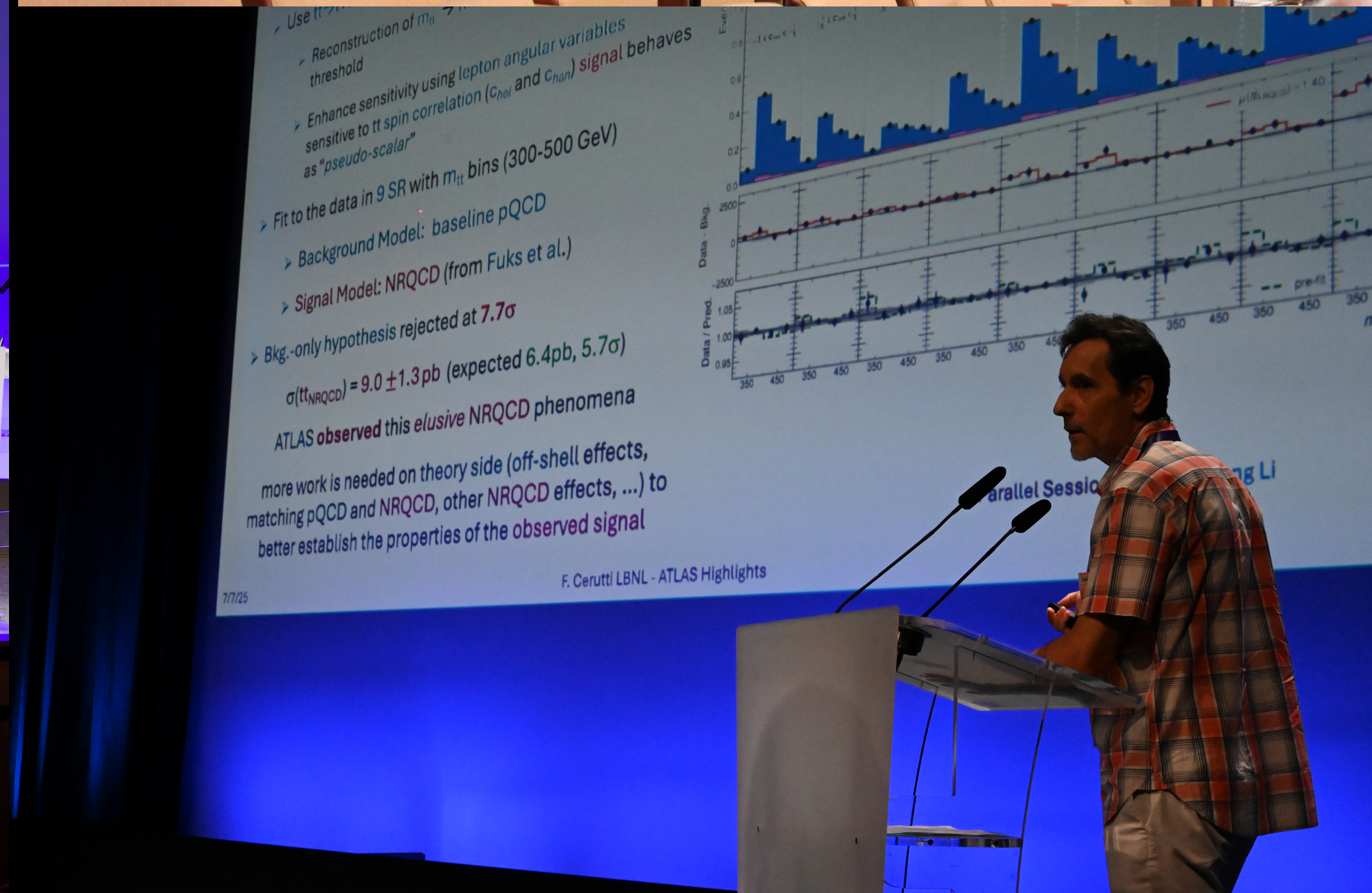
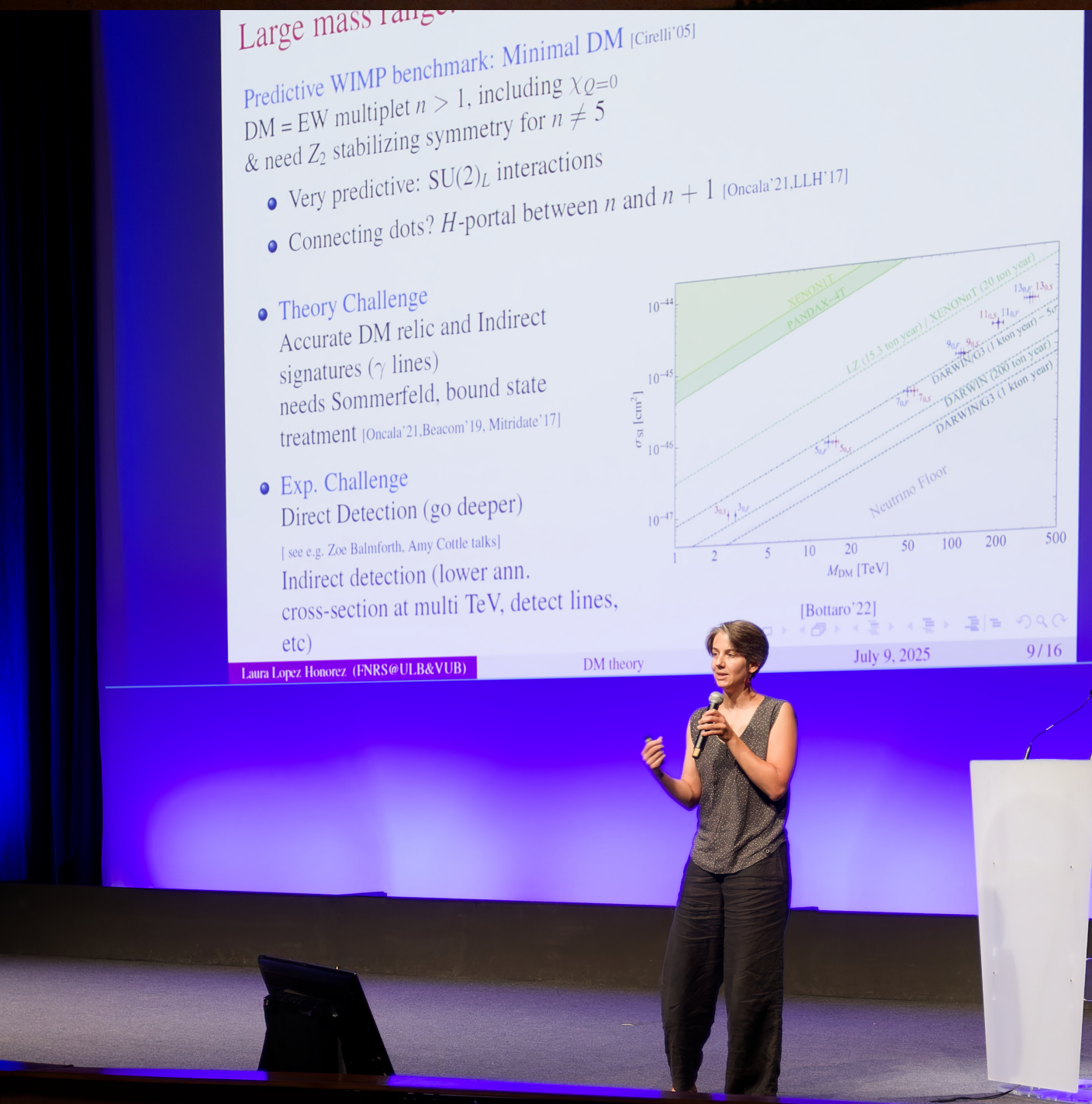
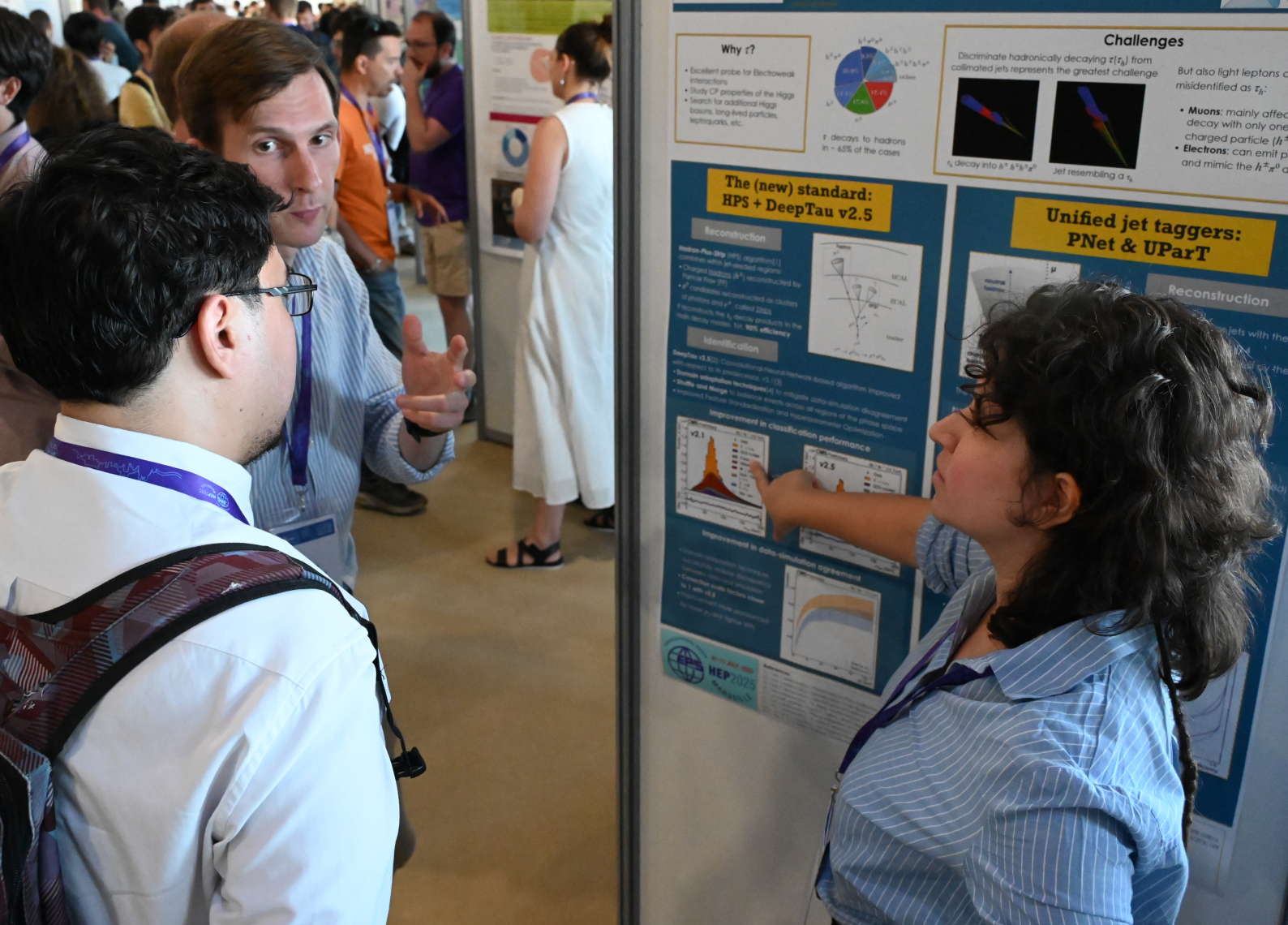
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#EPSHEP





Quark Down HP 180

N°14 | Pokémon Matière Ténérée | Masse : -4,2 MeV

Ability Chromodynamique
Si vous avez plusieurs quarks en jeu, vous pouvez les assembler pour former des mésons ou des baryons

Jet 30+
Inflige 30 points de dégâts à 1 d4 Pokémon adverses

Formation Neutron 140
Si vous avez 2 Down et 1 Up en jeu, défaussez-les et posez un Neutron. Cette liaison inflige 140 points de dégâts à un Pokémon adverse

Weaknesses: $\times 2$ Resistance: -30 Retreat: $\star \star$

« Comme les Up, les Down sont partout autour de l'intérieur de nous. Néanmoins, ben courage pour en observer un seul, ils aiment beaucoup se balader en groupe et sont de plus en plus difficiles à observer. »

© 2023 Pokémon. Tous droits réservés. Pokémon et Pokémon sont des marques de Pokémon Company.

Schrödinger, 1926

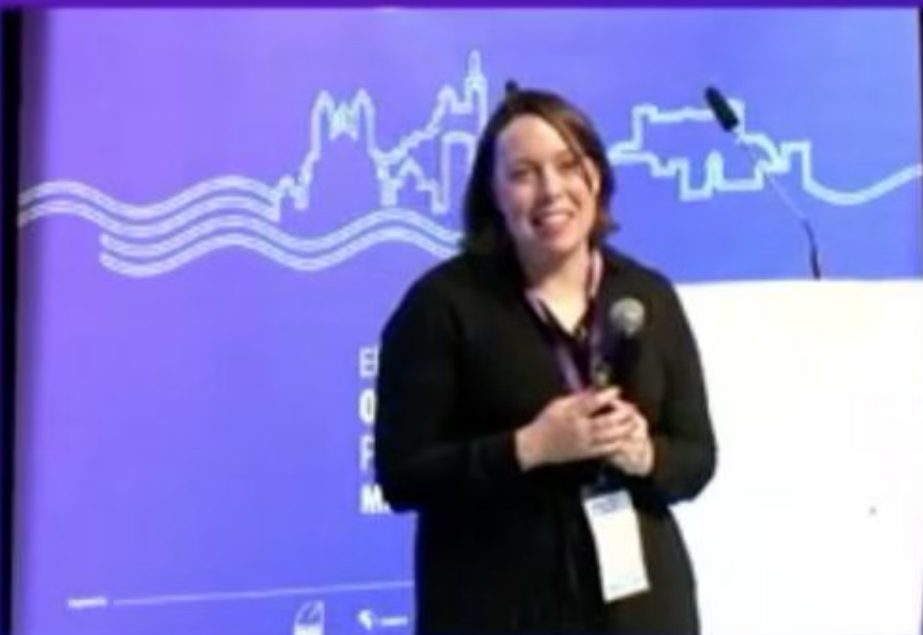
u quark up +2/3

d quark down -1/3

Recordings of plenary talks

- Available at <https://webcast.in2p3.fr/live/eps-hep-2025> including live captioning

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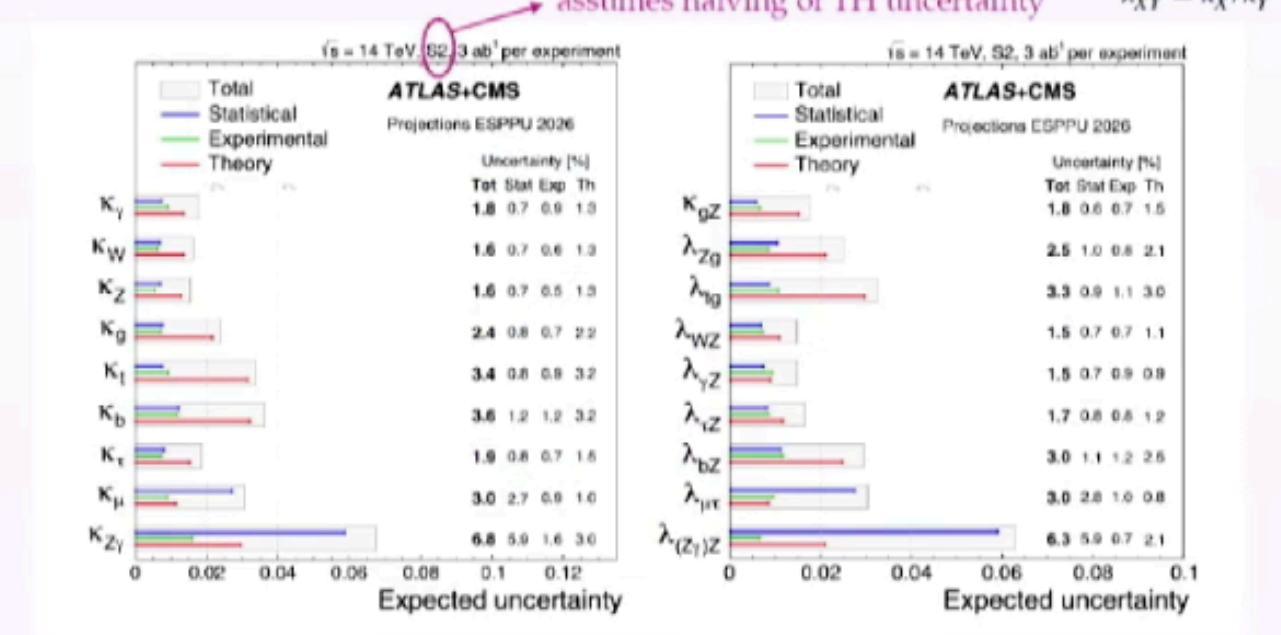

going to buy us Omega a so we know now that it that those frequency weren't at that frequency, until you really made sure and tested it all, want to make sure, look back, do agree with Brookhav

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Precision Higgs Boson

Precise Predictions for Higgs physics are needed.
Theory Uncertainty could be bottle neck for HL-LHC programme.

assumes halving of TH uncertainty $\lambda_{XY} = \kappa_X / \kappa_Y$



ATLAS+CMS Projections ESPPU 2026

Coupling	Total (%)	Stat (%)	Exp (%)	Th (%)
κ_f	1.8	0.7	0.9	1.0
κ_W	1.6	0.7	0.5	1.3
κ_Z	1.6	0.7	0.5	1.3
κ_g	2.4	0.8	0.7	2.2
κ_t	3.4	0.8	0.9	3.2
κ_b	3.6	1.2	1.2	3.2
κ_τ	1.9	0.8	0.7	1.6
κ_μ	3.0	2.7	0.9	1.6
$\kappa_{Z\gamma}$	6.8	5.9	1.6	3.0

ATLAS+CMS Projections ESPPU 2026

Coupling	Total (%)	Stat (%)	Exp (%)	Th (%)
λ_{Zg}	2.5	1.0	0.8	2.1
λ_{gg}	3.3	0.9	1.1	3.0
λ_{WZ}	1.5	0.7	0.7	1.1
$\lambda_{\gamma Z}$	1.5	0.7	0.9	0.8
$\lambda_{\gamma\gamma}$	1.7	0.8	0.8	1.2
λ_{bZ}	3.0	1.1	1.2	2.6
$\lambda_{\tau Z}$	3.0	2.8	1.0	0.8
$\lambda_{(Z\gamma)Z}$	6.3	5.9	0.7	2.1

Ramona Gröber SM/SMEFT, and Higgs theory overview 07 / 26

idea how to connect to the UV models for Higgs coupling. And apologise very much that I will be completely incomplete and also very biased. Okay, let's

Support staff

- Thanks to the support staff of the Palais du Pharo to help us run the conference



AOS Congrès
Événements

- Many thanks to the AOS congress agency who helped us organising this conference from the very beginning

Thanks to all participants!



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- Gwenhaël Wilberts Dewasseige
- Juliette Alimena
- Fabrice Hubaut
- Julien Masbou
- Christiane Scherb
- Samira Hassani
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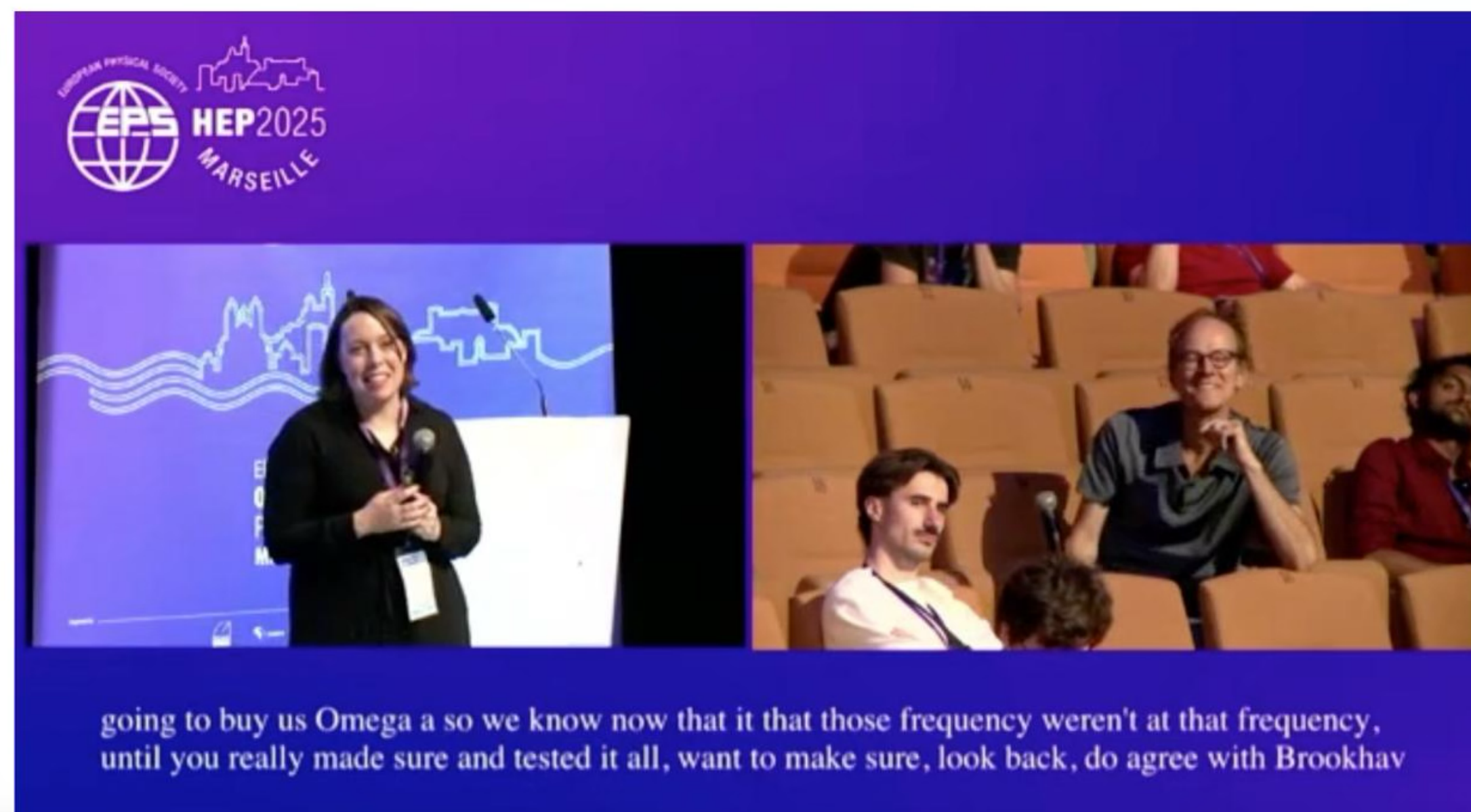
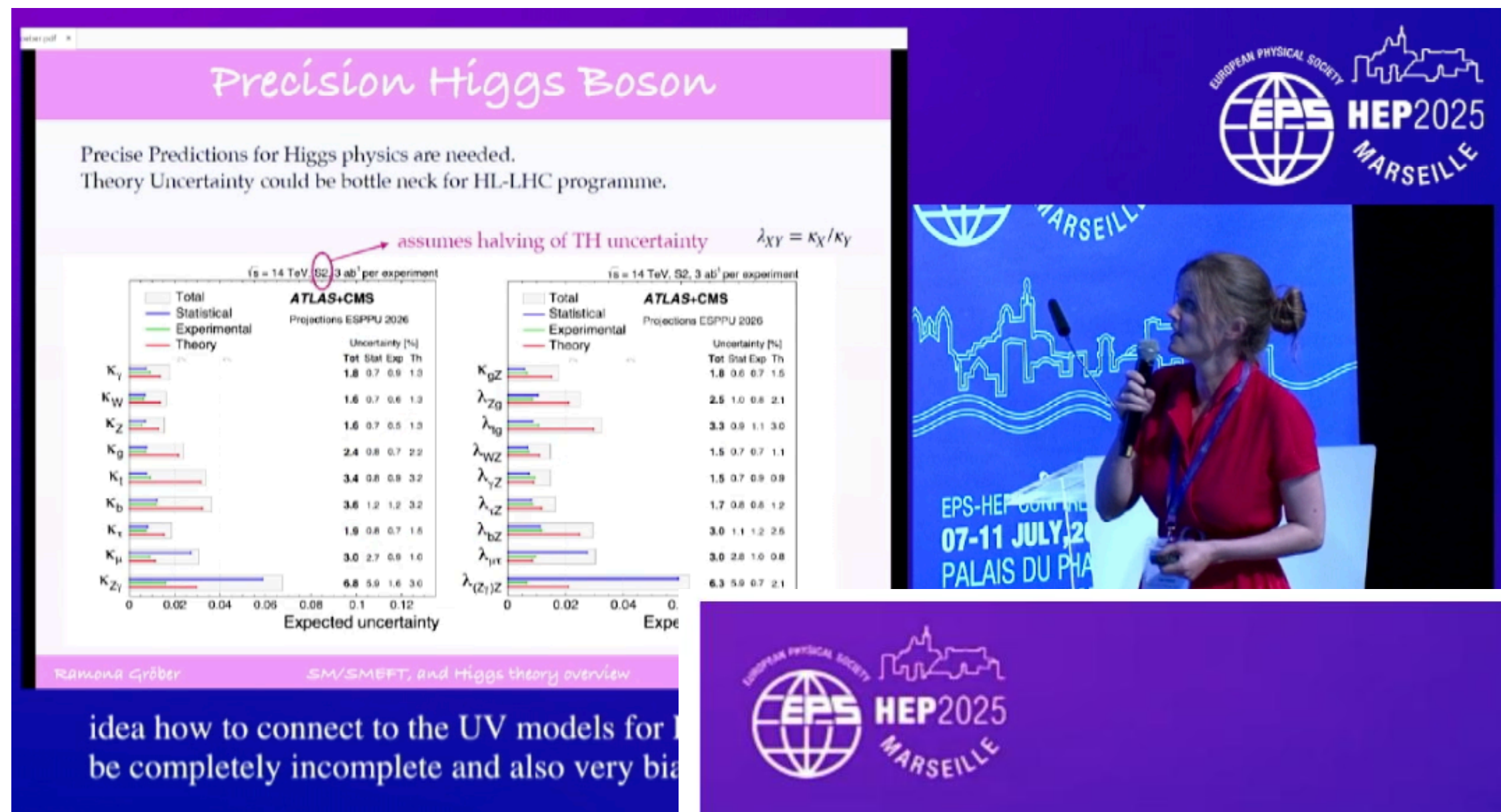
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Volunteers



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"There is no mountain too high"

Tom Simpson



We wish you a safe trip back home...
and see you in Bucharest
@EPS-HEP 2027



THANK YOU !



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