

Programme des sessions

15-17 juil. 2025



Higgs Hunting 2025

Plenary

IJCLab, 100/-1-A900 - Auditorium Joliot Curie
IJCLab Orsay (Tuesday) & APC Paris (Wednesday & Thursday)

mar. 15 juillet

11:15

Plenary: Higgs boson properties and couplings

Session | **Site:** IJCLab, 100/-1-A900 - Auditorium Joliot Curie | **Responsable de session:** Nick Wardle

11:15 – 11:30 Higgs boson property measurements (mass, width, CP) - CMS

Orateur

Amrutha Krishna

11:30 – 11:45 Higgs boson property measurements (mass, width, CP) - ATLAS

Orateur

Elise Le Boulicaut

11:45 – 12:00 Higgs boson coupling measurements - CMS

Orateur

Walaa Elmetenawee

12:00 – 12:15 Higgs boson coupling measurements - ATLAS

Orateur

Fábio Lucio Alves

12:15 – 12:20 Higgs boson properties and couplings - 3-slide overview

Orateur

Nicholas Wardle

12:20 – 13:00

Discussion of present status and prospects for coupling and property measurements

13:00

15:25

Plenary: Higgs boson self-coupling and Di-Higgs production

Session | **Site:** IJCLab, 100/-1-A900 - Auditorium Joliot Curie | **Responsable de session:** Roberto SALERNO

15:25 – 15:40 Higgs boson self-coupling and Di-Higgs production - ATLAS

Orateurs

Lorenzo Santi, Lorenzo santi

15:40 – 15:55 Higgs boson self-coupling and Di-Higgs production - CMS

Orateurs

Leonidas Paizanos, Leonidas Paizanos

15:55 – 16:00 Higgs boson self-coupling and Di-Higgs production: 3-slide overview

Orateur

Roberto SALERNO

16:00 – 16:30 Discussion of Higgs boson self-coupling and Di-Higgs production

16:30

mer. 16 juillet

10:00

Plenary: CMS Joker talk

Session | **Site:** LPNHE Paris, Amphithéâtre Charpak | **Responsable de session:** Sven Heinemeyer

10:00 – 10:25

CMS Joker talk: Search for anomalous Higgs couplings with $H \rightarrow \gamma\gamma$ decays

Orateur

Federica De Ruggi

10:25

10:40

Plenary: BSM H(125) aspects and searches for new scalar bosons

Session | **Site:** LPNHE Paris, Amphithéâtre Charpak | **Responsable de session:** Sven Heinemeyer

10:40 – 11:00

BSM H(125) aspects and searches for new scalar bosons - CMS

Orateur

Siddhesh Sawant

11:00 – 11:20

BSM H(125) aspects and searches for new scalar bosons - ATLAS

Orateur

Eleni Skorda

11:20 – 11:25

BSM H(125) aspects and searches for new scalar bosons: 3-slide overview

Orateur

Sven Heinemeyer

11:25 – 11:55

Discussion of BSM H(125) aspects and searches for new scalar bosons

11:55

13:05

Plenary: Analysis methods

Session | **Site:** LPNHE Paris, Amphithéâtre Charpak | **Responsable de session:** Julie Malcles

13:05 – 13:20

Analysis methods - CMS

Orateur

Maria Mazza

13:20 – 13:35

Analysis methods - ATLAS

Orateur

Andrea Sciandra

13:35 – 13:40

Analysis methods: 3-slide summary

Orateur

Julie Malcles

13:40 – 13:50

Discussion of analysis methods

13:50

15:45

Plenary: Effective field theories**Session** | **Site:** LPNHE Paris, Amphithéâtre Charpak | **Responsable de session:** Pamela Ferrari

15:45 – 16:05

Effective field theories - theory overview**Orateur**

Jose SANTIAGO PEREZ

16:05 – 16:20

Effective field theories - ATLAS**Orateur**

Elena Mazzeo

16:20 – 16:35

Effective field theories - CMS**Orateur**

Suman Chatterjee

16:35 – 16:40

Effective field theories: 3-slide overview**Orateur**

Pamela Ferrari

16:40 – 17:10

Discussion of EFT interpretations

17:10

jeu. 17 juillet

10:00

Plenary: ATLAS Joker talk

Session | **Site:** LPNHE Paris, Amphithéâtre Charpak | **Responsable de session:** Karl Jakobs

10:00 – 10:25

ATLAS Joker talk: Recent results of searches for Higgs boson decays with the ATLAS detector

Orateur

Stefano Manzoni

10:25

10:25

Plenary: Higgs physics within the European strategy update

Session | **Site:** LPNHE Paris, Amphithéâtre Charpak | **Responsable de session:** Karl Jakobs

10:25 – 10:50

Challenges in Theory Predictions

Orateur

Federico Buccioni

10:50 – 11:15

Accelerators overview

Orateur

Frank Zimmermann

11:15 – 11:35

Overview of the ESPPU strategy for Higgs and Electroweak physics and introduction to the discussion

Orateurs

Gregorio BERNARDI, gregorio bernardi

11:35 – 12:45

Discussion

12:45

14:45

Plenary: Concluding talks

Session | **Site:** LPNHE Paris, Amphithéâtre Charpak | **Responsable de session:** Florencia Canelli

14:45 – 15:30

Theory concluding talk

Orateur

Gavin Salam

15:30 – 16:15

Experimental concluding talk

Orateur

Maria Cepeda

16:15