

(Re)interpretation of the LHC
results for new physics

Feedback & final discussion session

7th workshop of the
LHC Reinterpretation Forum

12-15 Dec 2022

CERN and online

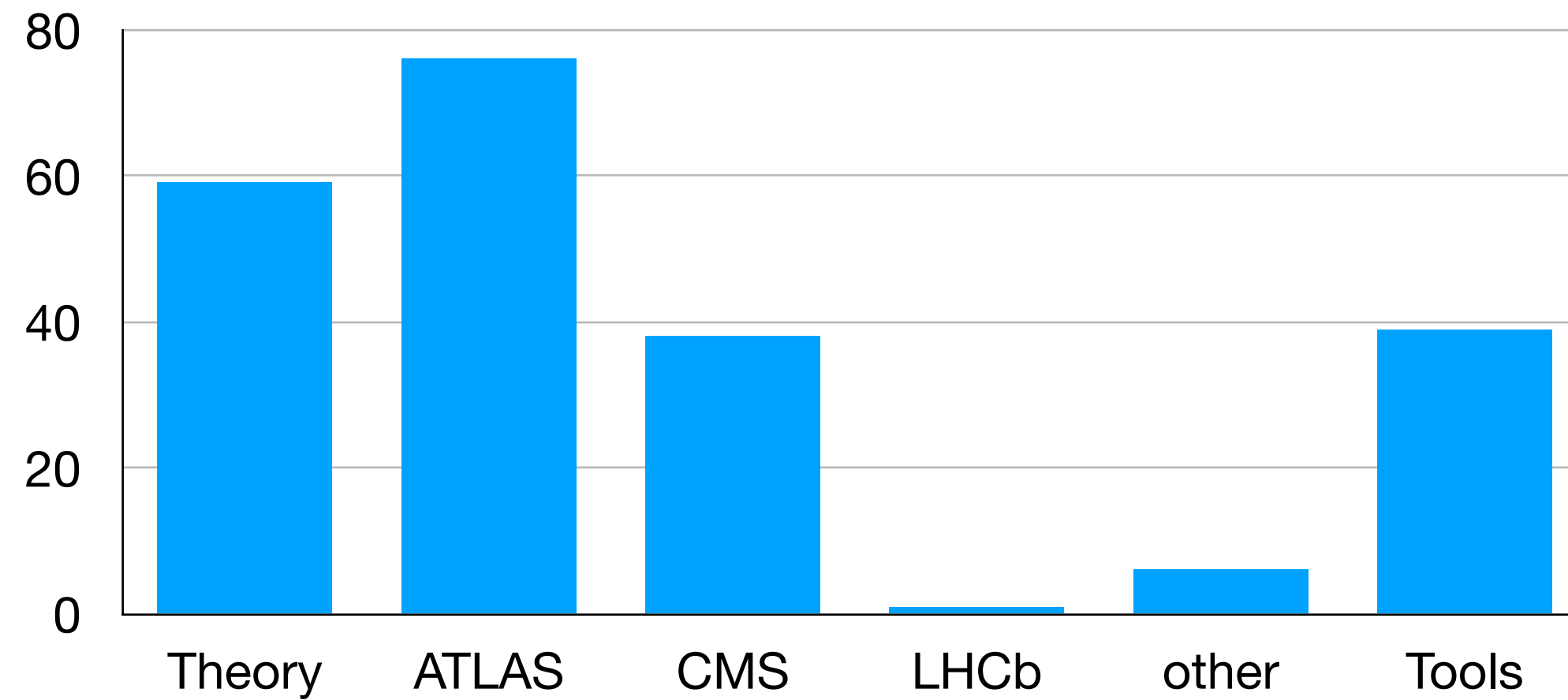
Very active program this week

	Monday	Tuesday	Wednesday	Thursday
Morning 10 am	ATLAS and CMS Reviews	LHCb, Belle-II DM, HI exp.	Combinations and global fits	Pheno studies
Afternoon 1	CERN Open Science Policy News from reinterpretation tools	Publishing statistical models	Orthogonal phase space slicing	Final discussion, Renewal of steering group
Afternoon 2	ML reuse	Publishing analysis code	More on tools, ML, SimpleAnalysis	

Please check for details and updates:

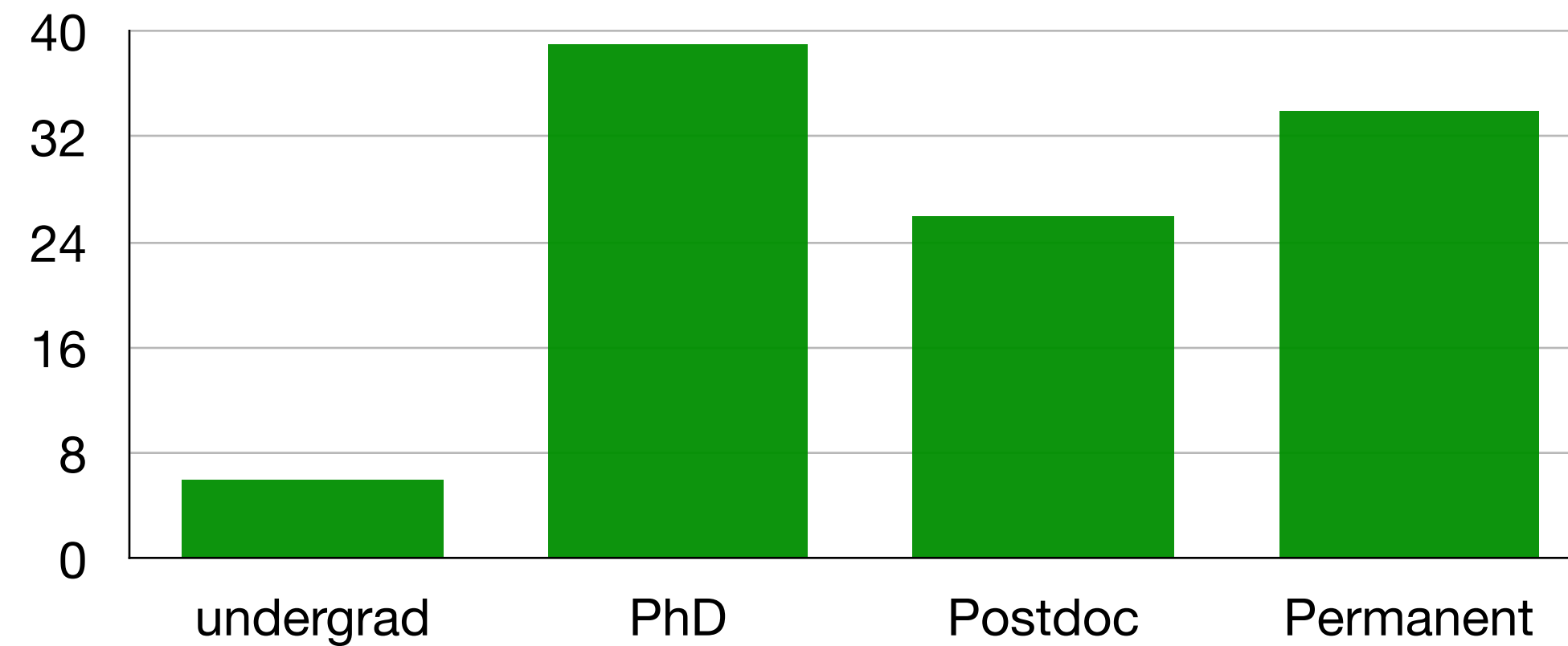
<https://indico.cern.ch/event/1197680/timetable/>

131 → 171 registrants (status 15/12/22)



more experimentalists than theorists !!

29 countries, from Australia to USA.
6 continents!



~60 didn't say...

We want your feedback

- The RIF is a community-driven effort — everybody invited to contribute, give feedback, make suggestions
 - General program
 - Mix of talks/discussions
 - Theory-experiment interaction
 - Next steps to take

Main request from young participants:
A school-like event for reinterpretation

Mailing lists:

info-IHC-interpretation@cern.ch

info-IHC-interpretation-organisers@cern.ch

Renewal of the Steering Group

past steering group

Jon Butterworth	ATLAS, Contur, GAMBIT
Andy Buckley	ATLAS, Rivet/Contur, GAMBIT
Kyle Cranmer	ATLAS, PhyStat, pyhf
Matthias Danninger	ATLAS, GAMBIT
Nishita Desai	Theory, CheckMATE
Matthew Dolan	Theory
Benjamin Fuks	Theory, MadAnalysis5
Marie-Helene Genest	ATLAS, LLPs
Ahmed Ismail	Theory
Sabine Kraml	Theory, overall org.
Frank Krauss	Theory, ex-HEPData
Michael Krämer	Theory, Fittino
Nazila Mahmoudi	Theory, Flavor
Michelangelo Mangano	Theory, LPCC
Stefano Moretti	Theory/CMS (2HDM)
Pat Scott	Theory, GAMBIT
Sezen Sekmen	CMS, ADL
Wolfgang Waltenberger	CMS, SModelS
Nick Wardle	CMS, PhyStat
Andreas Weiler	Theory, ATOM

5 ATLAS, 3 CMS, 0 LHCb
12 Theory
4 GAMBIT

Charge:

Keep the RIF activities alive and active,
Foster theory-experiment interaction,
Promote standards & good practice
(FAIR, open science),

Organise workshops

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Andreas Weiler	Theory, ATOM

bold: people to stay

replace ~2/3,
balance th/exp

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Renewal of the Steering Group – volunteers

Theory / Tools

Nishita Desai
Sabine Kraml

ADL/Cutlang: Sezen
CheckMATE: Krzysztof
MadAnalysis: J. Araz
Rivet/Contur: Andy
SModelS: A. Lessa
GAMBIT: T. Gonzalo
LLPs/otherExotics:

Tools contacts

ATLAS

Jon Butterworth
Andy Buckley
Marie-Helene Genest

Lukas Heinrich (OSWG)
Matthew Feickert (pyhf)
Carsten Burgard (HS3)

CMS

Sezen Sekmen
Nick Wardle

Clemens Lange (OSWG)
Markus Seidel

LHCb

Federico Redi

OSWG: CERN Open Science Working Group

Interaction/contact with LHC Working Groups? (Higgs, top, DM, EFT,)

Create Likelihoods/Statistical Models Task Force?

Next workshop(s)

- Who, when, where, topics, ...
- Call for bids to host the next general workshop outside CERN
- Request from young participants: organise a school !