

EPP-wide Group Meeting

Fabrizio Salvatore

Welcome to our first 'blended' meeting since almost two years !!

General EPP Meeting

Wednesday 13 Oct 2021, 16:00 → 19:00 Europe/Rome

Description Join Zoom Meeting

<https://universityofsussex.zoom.us/j/92008617047?pwd=MURWcDQwN2xxekNQQTJmbG5FZVhadz09>

Meeting ID: 920 0861 7047

Passcode: 598017

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|--|---------|--|-----|
| 16:00 | → 16:10 | Introduction | 10m |
| Brief introduction of the group to the new members (PhD students, Postdocs, Faculty) | | | |
| Speaker: Prof. Fabrizio Salvatore (University of Sussex (GB)) | | | |
| 16:10 | → 16:30 | Theory Talk: Flavour Physics | 20m |
| Speaker: Sebastian Jaeger (University of Sussex (GB)) | | | |
| 16:30 | → 16:50 | Collider Talk: The ATLAS Trigger in Run 3 | 20m |
| Speaker: Mark Sutton (University of Sussex (GB)) | | | |
| 16:50 | → 17:00 | Short Coffee Break | 10m |
| 17:00 | → 17:20 | Future Collider: Sussex Involvement in Future Collider Projects | 20m |
| Speakers: Fabrizio Salvatore (University of Sussex (GB)), Iacopo Vivarelli (University of Sussex (GB)) | | | |
| 17:20 | → 17:40 | Future Trigger Developments: FPGA/SWIFT | 20m |
| Speakers: Alex Cerri (University of Sussex (GB)), Mario Grandi (University of Sussex (GB)) | | | |
| 17:40 | → 18:00 | Neutrino Physics: The Sussex Neutrino Programme | 20m |
| Speaker: Simon Peeters (University of Sussex (GB)) | | | |
| 18:00 | → 18:20 | Coffee/nibbles | 20m |

Welcome to our new group members



Sammy Valder
(PDRA, SNO+)



Harry Simpson
(PhD, ATLAS)



Gianna Mönig
(PhD, ATLAS)



Andreas Loeschcke Centeno
(PhD, AIDAInnova)



Katie Piper
(PhD, ATLAS)



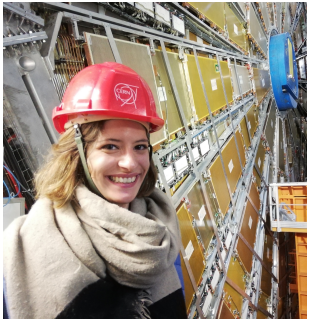
Stanislav Biryukov
(PhD, ATLAS)



Robert Darby
(PhD, SBND/DUNE)

Congratulations !

Daniela, Zoe, Marco, Ondra
are finally be able to start their LTA!



Mario is now PDRA
on SWIFT/HEP



Josh – 2021 IoP
HEP Group Prize

Installation of FASER
detector at CERN



Too many presentations
and papers by various
group members at
National and
International
conferences to be able
to list them all !



Meirin will be
next (in Jan)!

Outreach



Bhutan Project



From Zero to Higgs Hero (16-18 year olds)

How did scientists at the Large Hadron Collider (LHC) at CERN discover the particle responsible for the **origin of mass**, the Higgs boson? This workbook will introduce students to the basics of particle physics, and learn about the ATLAS experiment at the LHC. Students will develop **analytical skills**, first by identifying particles from individual ATLAS events, then by developing a cut based analysis using our **Histogram Analyser** to search for the Higgs boson and other rare processes in real and simulated data and finally implementing their analysis using **python programming**.

WB2

BHASVIC Project

HALO at Brighton Festival



Antonella, Mark & the Semiconductors
(plus Monica Bello)

Brighton Festival, 19 May-4 June 2021

<https://brightonfestival.org/whats-on/halo-1204/>

Christmas dinner?



EPP Christmas Dinner, Dec 2019

Shall we organize one this year?

If so, what about the week of the 6th of Dec?

Conclusion

Happy to give the opportunity to our newest members of the group say hi!

We have a very interesting programme of talks to showcase our research in the group and at Sussex in general

Looking forward to get a coffee together at the end of the meeting !