

**Workshop on Searches for
New Bosons From
Astrophysics Sources @ the
LHC: the case of Boson Stars**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Introduction

Thursday 23 October 2025 14:00 (15 minutes)

Summary

Presenters: ONOFRE, Antonio (Universidade do Minho/CFUMUP,LIP); JONES, Eleanor (Deutsches Elektronen-Synchrotron (DE)); POTTI, Harish (University of Sydney (AU)); MCFAYDEN, Josh (University of Sussex); DADO, Tomas (CERN); FONT, Toni (University of Valencia, Spain)

Contribution ID: 1

Type: **not specified**

Stars made of Light Bosons: the Astrophysics case

Thursday 23 October 2025 14:15 (20 minutes)

Summary

Presenter: HERDEIRO, Carlos (University of Aveiro, Gr@v/CIDMA)

Session Classification: Astrophysics Searches for New Bosons

Contribution ID: 7

Type: **not specified**

Dynamics of Boson Stars and Gravitational Waves

Thursday 23 October 2025 14:35 (20 minutes)

Summary

Presenter: Dr SANCHIS-GUAL, Nicolas (University of Valencia,)

Session Classification: Astrophysics Searches for New Bosons

Contribution ID: 8

Type: **not specified**

Parameter inference in Gravitational-Wave Astronomy using Bayesian Algorithms: the mass extraction of new Bosons using Gravitational Waves

Thursday 23 October 2025 14:55 (20 minutes)

Summary

Presenter: CALDERON BUSTILLO, Juan

Session Classification: Astrophysics Searches for New Bosons

Contribution ID: 9

Type: **not specified**

The LIGO-Virgo-KAGRA (LVK) Search for Ultra Light Bosons

Thursday 23 October 2025 15:15 (20 minutes)

Summary

Presenter: FONT, Toni (University of Valencia, Spain)

Session Classification: Astrophysics Searches for New Bosons

Contribution ID: **10**

Type: **not specified**

TBD

Thursday 23 October 2025 15:50 (20 minutes)

Summary

Session Classification: Particle Physics @ ATLAS LHC

Contribution ID: **11**

Type: **not specified**

TBD

Thursday 23 October 2025 16:10 (20 minutes)

Summary

Session Classification: Particle Physics @ ATLAS LHC

Contribution ID: **12**

Type: **not specified**

TBD

Thursday 23 October 2025 16:30 (20 minutes)

Summary

Session Classification: Particle Physics @ ATLAS LHC

Contribution ID: **13**

Type: **not specified**

TBD

Thursday 23 October 2025 16:50 (20 minutes)

Summary

Session Classification: Particle Physics @ ATLAS LHC