When the M meets the P

Report of Contributions

https://agenda.irmp.ucl.ac.be/e/4157

Contribution ID: **2** Type: **not specified**

Kowalevski top: the story of a hidden symmetry

Wednesday, 20 January 2021 11:00 (1 hour)

In 1889, Sophie Kowalevski discovered a new case of integrability of the top, besides the well known cases of Euler and Lagrange. The first part of the talk will survey her 1889 groundbreaking Acta Mathematica paper. Besides being an outstanding mathematician, Sophie Kowalevski is one of the most romantic personality in the history of mathematics. A century later, the hidden symmetry behind Kowalevski's top was linked with Kac-Moody Lie algebras and algebraic curve theory

Presenter: HAINE, Luc (Université catholique de Louvain)

Session Classification: IRMP

Contribution ID: **5** Type: **not specified**

Detecting continuous gravitational waves from known pulsars

Wednesday, 20 January 2021 12:00 (10 minutes)

Presenter: MILLER, Andrew (UCLouvain)

Session Classification: IRMP: gong session

Contribution ID: **13** Type: **not specified**

A visual model of the BTZ black hole

Wednesday, 20 January 2021 12:10 (10 minutes)

Presenter: DE MAN, Louis

Session Classification: IRMP: gong session

Contribution ID: **14** Type: **not specified**

Reviving the interference: framework and proof-of-principle for the anomalous gluon self-interaction in the SMEFT

Wednesday, 20 January 2021 12:20 (10 minutes)

Presenter: MALTONI, Matteo (CP3 / UCLouvain)

Session Classification: IRMP: gong session

Contribution ID: **22** Type: **not specified**

Diversity and Inclusion in Astronomy: Unpacking a Pandora's Box

Thursday, 21 January 2021 11:00 (1 hour)

Diversity and inclusion initiatives in astronomy have been carried out for many years. From public engagement to unconscious bias training and awarding institutions for their work to create diversity in the workplace, we have carried out many and varied activities and programmes to encourage a more diverse and inclusive workplace and culture.
However, many of these interventions are merely box-ticking exercises or feel-good activities that are highly visible, but have no lasting impact. Many have no evidence to support their effectiveness or they are focused too narrowly on particular groups.
By some measures, it will take decades to change the underrepresentation of marginalised groups, using the current paradigm of diversity and inclusion initiatives. Clearly, what we have been doing is not working.
In order to enact meaningful change, we must be willing to have open, honest meaningful conversations about the problems in astronomy in terms of diversity and inclusion.
We require evidence-based initiatives that will drive real change in the workforce, culture and institutions that make up astronomy.

Presenter: JOSEPH, Tana

Session Classification: IRMP

Contribution ID: **23** Type: **not specified**

Motion measurements to detect gravitational waves in the fridge and on the Moon

Thursday, 21 January 2021 12:00 (10 minutes)

Presenter: Dr VAN HEIJNINGEN, Joris (UCLouvain)

Session Classification: IRMP: gong session

Contribution ID: **24** Type: **not specified**

Three families of knot invariants

Thursday, 21 January 2021 12:10 (10 minutes)

Presenter: BEN ARIBI, Fathi

Session Classification: IRMP: gong session

Contribution ID: **25** Type: **not specified**

The ScotoSinglet Model

Thursday, 21 January 2021 12:20 (10 minutes)

Presenter: Dr BENIWAL, Ankit (CP3, UCLouvain)

Session Classification: IRMP: gong session