WG1 Update Model Building



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WG ORGANISATION

+50 members with different background

Ly String Theory

Ly Model Building

Log E covering warding

Ly Cosmology

Ly Astrophysics

Astrophysics L> Astrophysics

& WG leaders: Iloria Brivis, Michele Cicoli

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michele.cicoli@unibo.it

Mroz.

WG1 TASKS

& Coordinate theory advances among theorists

Give theory quidance to experimentalists (WGZ, WG3 WG4)

TOP-DOWN

L> Some questions regarding
Wisps only answered in
specific UV frameworks
e.g. axion quality "problem"

BOTTOM-UP

In observations fix UV proporties.

e.g. cosmic birenfringence

Manj.

ONGOING ACTIVITIES

A-WG1 Monthly meeting:

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- Gauge Z' to Geometric 2'; Durmus Demir
- Formation of ultralight DM solar halos; Marco
Corghetto
- Early Dark Energy in Type IB

String Theory; Matter Licheri
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L's Next meeting: 15th May, feel free to come !

Ham.

FUTURE ACTIVITIES

- * 1st General meeting of COST Action
 - · 5-8 september 2023
 - · Bari
 - 4 4 WG1 plenary speakers (+ parallel sessions)
 - * 2 TOP-DOWN + 2 BOTTOM-UP approaches to WISPS
- is Feel free to contact WG leaders (Ibvia, Michele) to propose (synorgistic) future activities !

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