

Third MC meeting hosted by

"THE STRING THEORY UNIVERSE"
21TH EUROPEAN WORKSHOP ON STRING THEORY
AND 3RD COST MP1210 WORKSHOP

September 7-11, 2015



3. Update

- News from COST and H2020
- Status of the Action, including new COST and non-COST countries
- Report on Grant Period 2 (2014/15)
- Budget plan Grant Period 3 (2015/16)

News from COST Office

New dates for financial year:

June, 1 – May, 31 → May, 1 – April, 30

We have just entered GP3 (June 1, 2015 - May 31, 2016 → **April 30, 2016**)

Split of the Annual Grant Period (AGP):

The COST association required to split the Annual Grant Period into two GP (GP3-part A and GP3-part B) with two Work and Budget Plans. However, this will not affect the budget plan that we approved for the third Grant Period.

Annual report: It covers 30 months. Deadline 30/9/2015

Rapporteur: Jan Plefka



3

First WorkPlan (June, 1 2015 – Aug. 30, 2015)



WORKPLAN

Annex A - Work And Budget plan - R I

MP1210

The String Theory Universe

Grant Period from 01/06/2015 to 31/08/2015

Summary Budget

Instrument	Quant.	Budget
Meetings	2	18345.83 EUR
Training Schools	0	0.00 EUR
STSMs	1	1700.00 EUR
Dissemination	0	0.00 EUR
Other Expenses Related to Scientific Activities	0	0.00 EUR
		SCIENCE EXPENDITURE : 20045.83 EUR
Financial and Scientific Administration and Coordination (MAX. 15%)	15%	3006.87 EUR
		TOTAL EXPENDITURE : 23052.70 EUR

Signature : _____

Date : _____

4

Status of the Action



21 → 20 COST Countries

Austria, Belgium, Bulgaria, Denmark, France, Germany, Greece, Hungary, **Iceland**, **Ireland**, Israel, Italy, ~~Malta~~, Portugal, Slovenia, Spain, Sweden, Switzerland, **Turkey**, The Netherlands, United Kingdom

+ **Romania** (Intention to participate)

+ CERN

5

MC members

Country	MC Member
Austria	Dr Johanna KNAPP
Belgium	Dr Riccardo ARGURIO
Belgium	Prof Alexandre SEVRIN
Bulgaria	Prof Svetlana PACHEVA
Bulgaria	Prof Vladimir DOBREV
Denmark	Prof Charlotte KRISTJANSEN
Denmark	Prof Niels OBERS
France	Prof Michela PETRINI
Germany	Prof Gabriele HONECKER
Germany	Prof Johanna ERDMENGER
Greece	Prof Anastasios PETKOU
Greece	Prof Elias KIRITSIS
Hungary	Dr Annamaria SINKOVICS
Hungary	Dr Peter BANTAY
Iceland	Prof Larus THORLACIUS
Iceland	Dr Valentina GIANGRECO MAROTTA
Iceland	PULETTI
Ireland	Prof Tristan MCLOUGHLIN
Israel	Prof Eliezer RABINOVICI
Israel	Prof Micha BERKOOZ
Italy	Dr Anna CERESOLE
Italy	Prof Matteo BERTOLINI
Netherlands	Prof Ana ACHUCARRO
Netherlands	Prof Stefan VANDOREN
Portugal	Prof Gabriel LOPES CARDOSO
Portugal	Prof Miguel COSTA
Slovenia	Prof Martin O'LOUGHLIN
Spain	Prof Roberto EMPARAN
Spain	Prof Yolanda LOZANO
Sweden	Dr Lisa FREYHULT
Sweden	Prof Joseph MINAHAN
Switzerland	Prof Matthias GABERDIEL
Switzerland	Prof Matthias BLAU
Turkey	Dr Dieter VAN DEN BLEEKEN
Turkey	Prof Nihat Sadik DEGER
United Kingdom	Prof Jerome GAUNTLETT
United Kingdom	Prof Ruth GREGORY

Country	MC Substitute
Austria	Prof Daniel GRUMILLER
Belgium	Prof Antoine VAN PROEYEN
Bulgaria	Prof Stoytcho YAZADJIEV
Bulgaria	Dr Lilia ANGUELOVA
Denmark	Prof Troels HARMARK
France	Prof Henning SAMTLEBEN
Germany	Dr Stefan GROOT NIBBELINK
Germany	Prof Marco ZAGERMANN
Greece	Prof Ioannis BAKAS
Greece	Prof Panagiota KANTI
Hungary	Mr Zoltan KOKENYESI
Israel	Prof Oren BERGMAN
Israel	Prof Ofer AHARONY
Israel	Dr Zohar KOMARGODSKI
Netherlan ds	Prof Jan DE BOER
Spain	Dr Angel URANGA
Spain	Prof Maria A. LLEDO
Sweden	Dr Marcus BERG
Sweden	Dr Magdalena LARFORS
United Kingdom	Prof Kellogg STELLE

6

MC Observers

Institution Name

University of Cape Town
University of Cape Town
University of the Witwatersrand
University of the Witwatersrand
University of the Witwatersrand
Stanford University
Centro de estudios cientificos (CECS)
Universidad Catolica de Chile
Universidad de Buenos Aires
Universidad de Buenos Aires
Universidad de Chile
The University of Western Australia
The University of Western Australia
The University of Western Australia
The University of Western Australia
The University of Western Australia

MC Observer

Dr Jeff MURUGAN
Dr Amanda WELTMAN
Prof Robert DE MELLO KOCH
■ Dr Kevin GOLDSTEIN
■ Prof. Vishnu JEJALLA
■ Prof. Joao RODRIGUES
■ Prof Renata Kallosh
■ Prof Jorge Zanelli
Prof Max Banados
■ Prof Gaston Giribet
Dr Matias Leoni
Dr Gonzalo Palma
■ Prof Sergei M. Kuzenko
■ Dr Evgeny I. Buchbinder
Dr Joseph Novak
Dr Igor Samsonov
■ Prof Ian N. McArthur

Organisation Name

CERN
CERN
CERN
CERN
CERN
University of Antofagasta
University of Antofagasta
University of Antofagasta

MC Observer

■ Prof Luis ALVAREZ-GAUME
■ Prof Ignatios ANTONIADIS
■ Dr James DRUMMOND
■ Prof Wolfgang LERCHE
■ Dr Boris Pioline
■ Prof Alvaro Restuccia
■ Dr Maria Pilar Garcia del Moral
■ Dr Adrian Sotomayor



Other Groups in the process of joining

Australian National University (Canberra):

Peter Bouwknecht

Lebedev Institute, Moscow: Mikhail Vasiliev



Deliverables

Year 1	Year 2	Year 3	Year 4
WGs reports Annual Report Gender activities Outreach activities Job Opp. activities Scient. publications	WGs reports Annual Report Gender activities Outreach activities Job Opp. activities Scient. publications	WGs reports Annual Report Gender activities Outreach activities Job Opp. activities Scient. publications	WGs reports Annual Report Gender activities Outreach activities Job Opp. activities Scient. publications
Website operational	Training School 1	Scientific Strategic Meeting	Training School 2
Workshop1	Workshop 2	Workshop 3	Final Conference

Report on Grant Period 2 (June 2, 2014 - May 31, 2015)

A. COST Networking Tools	EUR
(1) MEETINGS	62.250,00
(2) TRAINING SCHOOLS	32.000,00
(3) SHORT-TERM SCIENTIFIC MISSIONS	28.700,00
(4) DISSEMINATION	250,00
(5) OERSA	200,00
B. TOTAL SCIENCE EXPENDITURE (sum of (1) to (5)) AUTOMATIC SUM: Click in cell to the right and click button "F9" to update the autosum	123.400
C. FSAC (max. of 15% of B.) (13.5% of B)	16.600
D. TOTAL EXPENDITURE (B+C) AUTOMATIC SUM: Click in cell to the right and click button "F9" to update the autosum	140.000



eCost CGS - Report 1.4

FP7 Grant - Yearly Financial Report (YFR)

COST Action Number and Title: MP1210 - The String Theory Universe
 Period of reporting: 2014-06-02 to 2015-07-30
 Grant Holder (institution): Università' di Milano-Bicocca
 Grant Holder (contact person): Prof Silvia PENATI
 Grant Holder (country): Italy

Cash Payments from ESF-COST to the Grant Holder

(1)	Grant Duration	From 2014-06-02	To 2015-05-31	
(2)	Grant Budget	140,000.00 EUR		
(3)	Payments Schedule	Payments BUDGET	Payments ACTUALS	Date Paid
	(3.1) First Payment	91,000.00 EUR	91,000.00 EUR	2014-12-18
	(3.2) Second Payment	49,000.00 EUR	49,000.00 EUR	2015-06-17
(4)	Sub-total payments	140,000.00 EUR	140,000.00 EUR	
(5)	Eligible costs till 2015-07-30		Actuals+Accruals 138,187.44 EUR	Total 138,187.44 EUR
(6)	Outstanding balance / Carry-over Carry-over to next period		-1,812.56 EUR	-1,812.56 EUR
(7)	In favour of the Grant Holder			

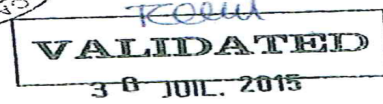
I declare that the above expenses have occurred and that the relevant documents (invoices and receipts) will be kept for further auditing by the ESF COST Association or by the European Commission

Financial or Legal representative of the Grant Holder

Name: Giuseppe Bedon Position: Pro Rector
 Signature: [Signature] Date: 10 AGO 2015

Chair or Vice Chair in case the Chair is working for the Grant Holder institution

Name: YOLANDA LOZANO Position: VICE-CHAIR
 Signature: [Signature] Date: 31-7-2015



30 JUL. 2015

Milena STOYANOVA
[Signature]

[Handwritten mark]

Meeting	euro
Bruxelles	867.45
Mainz	30,086.68
Leuven	2,316.50
Paris	6,927.88
Florence	15,451.53
Munich	328.00
Rehovot	2,000.00
TOTAL	57,978.04

12

Budget Plan Grant Period 3 (June 1, 2015 - April 30, 2016)

A. COST Networking Tools	EUR
(1) Meetings	71,010.00
(2) Training Schools	10,000.00
(3) STSMs	30,000.00
(4) Dissemination	200.00
(5) Other Expenses Related to Scientific Activities	94.35
B. Total Science Expenditure (sum of (1) to (5))	111,304.35
C. FSAC (max. of 15% of B)	16,695.65
D. Total Expenditure (B+C)	128,000.00

Budget Revision

Left-over from previous meetings: about 1900 euro

Instrument	euro	year	PLAN	Δ
Meeting Haifa	10.207,94	2015	11.000,00	792,06
Meeting Valencia	3.886,63	2015	5.010,00	1.123,37

Proposal: Gender Summit participation (Yolanda & Silvia)

Left-over from Leuven Workshop about 7 KE

New requests : - PD Supergravity Workshop
- Nordita

14

4. Progress report of WGs

15

Grant Period 2

WG1 activity/First Training School

“String Theory and Holography”, Lisbon, July 14-18, 2014.

“Mathematica Summer School on Theoretical Physics: Selected Topics in Holography”, Porto, July 21-26, 2014.

Organizers: Gabriel Lopez Cardoso, Miguel Costa.

Budget: 32 KE

WG1/ WG3 (partially) activity/Conference “Holographic Methods for Strongly Coupled Systems”, GGI, April 13-17, 2015.

Organizers: F. Bigazzi, A. Cotrone, N. Evans, E. Kiritsis, H. Liu, C. Nunez, K. Skenderis.

Budget: 2 KE → 16 KE

WG1/WG3 activity: “Holographic Renormalization Group and Entanglement”, Paris 7, January 28-30, 2015.

Organizers: N. Halmagyi, F. Nitti, G. Policastro.

Budget: 7 KE

WG2 activity: “Physics and Geometry of F-theory”,

Max Planck, Munich, February 23-26, 2015.

Organizers: T. Grimm, I. Garcia Etxebarria, T. Pugh.

Budget: 4.5 KE → 0.3 KE

16

WG1/WG3 activity: “Bootstrap 2015”,
Weizmann Institute, 18-29 May, 2015
Organizers: Ofer Aharony, Micha Berkooz
Budget: 2 KE (Token)

17

Grant Period 3

WG1/WG3 activity: “Challenges for AdS/CFT in higher dimensions, a workshop ”,

Technion in Haifa, June 28 – July 2, 2015.

Organizers: Oren Bergman, Amos Yarom and Micha Berkooz

Budget: 11 KE

WG5 activity: “First Workshop on String Theory and Gender”,

Valencia, July 6-7, 2015.

Organizers: Marian Lledo’

Budget: 5 KE

WG2 activity: “From String Theory to Particle Physics and Cosmology, and Back”,

GGI-Florence, October 26-30, 2015.

Organizers: Sakura Schafer-Nameki, Riccardo Argurio, Matteo Bertolini

Budget: 14 KE

WG2 activity (school): “Tools for String Phenomenology with applications to Particle Physics and Cosmology”,

GGI-Florence, October 19-23, 2015.

Organizers: Sakura Schafer-Nameki, Riccardo Argurio, Matteo Bertolini

Budget: 10 KE

18

5. STSM

Report by Anna Ceresole (WG4 leader and STSM responsible)

Call	Grants	Days	Tot (Euro)
1 Oct 2013	17	285	21380
2 Jan 2014	10	157	12000
3 Sept 2014	12	414	21590
4 Jan 2015	13	301	17930
5 May 2015	6	96	8750

STSM for GP3 (till April 30, 2016)

Open a call, when?



6. Gender Activities

Report by Marian Lledo' (WG5 leader)



Few suggestions about possible actions start coming



7. Activities for ESR and surveys

Report by Gabriele Honecker (ESR responsible)

22

Events in the 2nd COST tax year:

- **14-26 July 2014, *String Theory and Holography summer school*, Lisbon+Porto, Portugal:**
 - ESR participants (without lecturers): 106=100%
 - ESR lecturers: 7(of 13)=54%
 - Resonances from survey: (senior lecturers appreciated for their experience/meeting the right level); provide publically available info on research interest etc. of young talents, e.g. by including in registration form
- **22-26 Sept 2014, *The String Theory Universe workshop*, Mainz, Germany:**
 - ESR participants: 42 + 21 Ph.D. students = 49% together (of 129 people)
 - ESR+Ph.D. speakers: 2(of 37) plenary = 5% + 26(of 30) + parallel = 87 % = overall 42% of 67 talks
 - ESR posters: 15 (of 16) = 94%
 - Suggestion in survey: career session for young talents -> to be done at Leuven workshop in September 2015; emphasis on importance of talk+poster opportunities for young talents
- **23-26 February 2015, *Physics and Geomery of F-Theory*, Munich, Germany:**
 - ESR participants: 38 + 23 Ph.D. students = 61 (of 89)=69%
 - ESR+Ph.D. speakers: 12 (of 30)=40%
- **13-17 April 2015, *Gauge/Gravity Duality*, GGI Florence, Italy:**
 - ESR participants 84(of 125)=67%
 - ESR speakers: 24(of 48) plenary=50%; 24(of 24) + parallel=100%; combined: 48 (of 72) talks=67%
 - Suggestion in survey: (senior people did not attend parallel sessions) -> plenary gong show: to be done at Leuven workshop in September 2015, also in October 2015 at String-Pheno-Cosmo in Florence
- **28 June – 02 July 2015, *Challenges to Quantum Field Theory in Higher Dimensions*, Technion, Haifa, Israel:**
 - ESR participants: 14 (of 19) = 74%
 - ESR speakers: 10 (of 13)= 77%
- **6-7 July 2015, *First Workshop on String Theory and Gender*, Valencia, Spain**
 - ESR + Ph.D. participants 19 (of 40)=47.5%
 - ESR +Ph.D. speakers: 7 (of 29 talks)=37%

8. Joint postdoc selection procedure

Report by Riccardo Argurio and Antoine Van Proeyen

Proposed dates: Monday 21 and Tuesday 22 December
Location: Leuven

24

9. Future activities

"THE STRING THEORY UNIVERSE"
22TH EUROPEAN WORKSHOP ON STRING THEORY
AND FINAL CONFERENCE COST MP1210 MEETING
MILANO-BICOCCA, 20-24 FEBRUARY 2017

MC already approved. Dates approved by CG on 21/7/2015.
(Budget about 45 KE)

25

Second Training School (year 2016/2017) → **Cargese**

(Budget about 30 KE)

26

**WGs activities for Grant Period 4
(May 1, 2016 – March 3, 2017)**

Open a call now ?

27

10. Website

(WIS, Micha Berkooz)

<http://wvs.weizmann.ac.il/stringuniverse/>

- PhD advertisement page
- Creation of a scientific forum for ESR and students
- General improvements

28

11. Location and date of

- 1) the next MC meeting (Milano 2017 ?)
- 2) the next CG meeting (?).

12. After COST

30

31

MC meeting Leuven, 9/9/2015

COST Inclusiveness countries

- **EU 13:**
 - Bulgaria
 - Croatia
 - Cyprus
 - Czech Republic
 - Estonia
 - Hungary
 - Latvia
 - Lithuania
 - Malta
 - Poland
 - Romania
 - Slovakia
 - Slovenia

- EU Candidates:**
 - FYR Macedonia
 - Republic of Serbia
 - Turkey

- EU Potential Candidate:**
 - Bosnia and Herzegovina

- EU Countries targeted by EC:**
 - Luxembourg
 - Portugal

