

Third SVOM scientific workshop

Disentangling the merging universe with SVOM

The scientific rationale: the operation of the gravitational wave detectors opened a new era for the observation of the transient sky. The objective of this workshop is to review the merging of compact objects both theoretically and observationally.

As for the first one, the third SVOM workshop takes place at l'Ecole de Physique des Houches.



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The school of Les Houches is an exceptional site to organize summer schools, workshops.

This school was created in 1951, it is a prestigious place which hosted about fifty Nobel prizes and Fields medalists (Pauli, Fermi, Feymann, Charpak, Englert...)



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Disentangling the merging universe with SVOM

In April 2016, we organized the first SVOM scientific workshop in Les Houches. The objective of this workshop was to write the first version of the SVOM White Paper.



Thanks to the site and its studious atmosphere,



Thanks to the deep discussions,



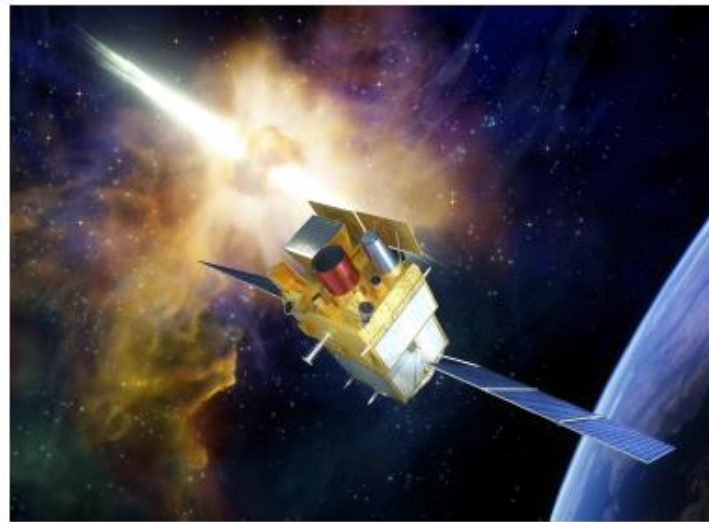
we managed to edit the first version.

The Deep and Transient Universe:
New Challenges and Opportunities

Scientific prospects of the *SVOM* mission

J. Wei, B. Cordier, et al.

(Version of 05-10-2016, for full list of contributors see overleaf)



Frontispiece : Artist view of the *SVOM* satellite

But, we must update it regularly, especially this year to better take into account the birth of multi-messenger astronomy last summer.

Third SVOM scientific workshop

Status of the scientific program



SOC : B. Cordier, J. Wei, J-L Atteia, F. Daigne, D Götz, J. Guilet, C. Lachaud, N. Leroy, S. Schanne, E. Vangioni, B. Zhang.

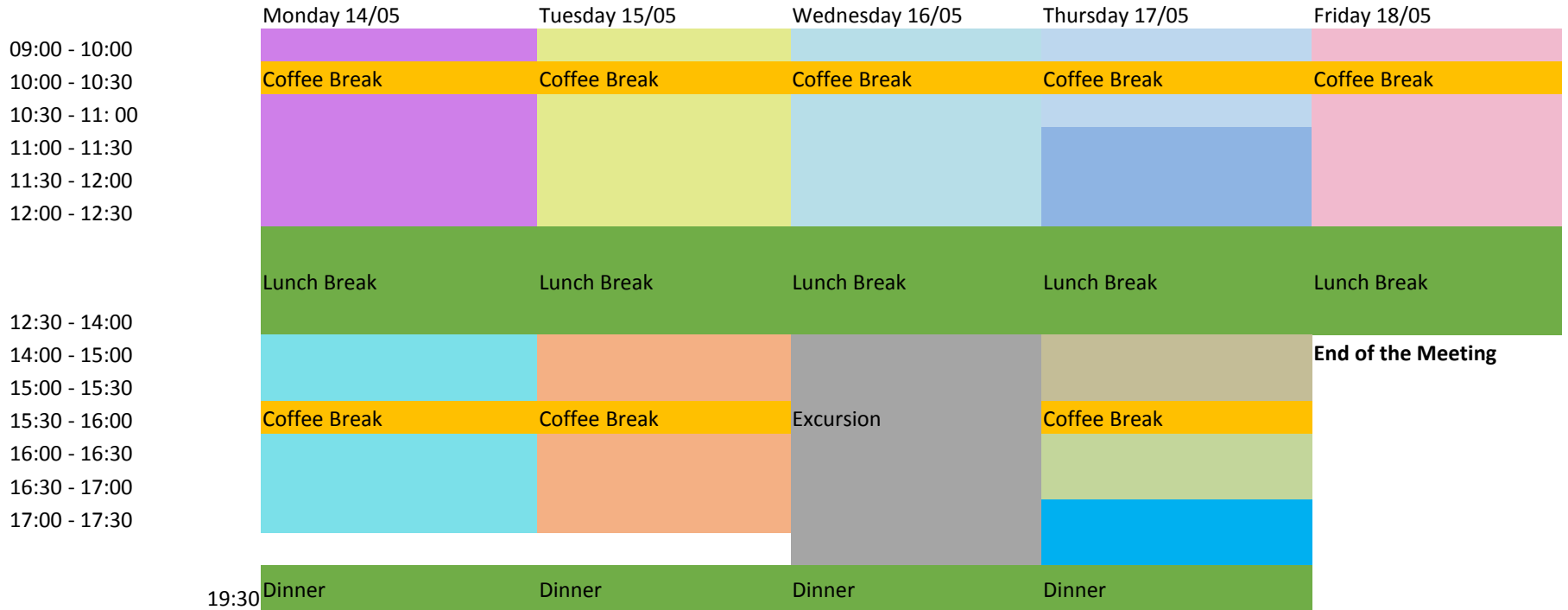
The scientific program is oriented towards the merging of compact objects both theoretically and observationally.

Based on the presentations and discussions, the workshop participants will try to refine the SVOM observation strategy in the case of Target of Opportunity request in response to a gravitational wave alert.

The week is divided in 10 sessions.

1. GWs: Summary (2015-2017) and perspectives. Chair: N. Leroy
2. GW 170817 Follow-up. Chair: S. Vergani
3. Binary compact object populations. Chair: E. Vangioni
4. The physics of coalescence. Chairs: F. Daigne/J. Guillet
5. SVOM status. Chairs: B. Cordier/S. Schanne
6. SVOM Gravitational wave follow-up. Chair: C. Lachaud
7. SVOM General Program. Chair: Arnaud Claret
8. Long GRB and transients. Chair: Diego Götz
9. Update of the White Paper. Chair: Bertrand Cordier
10. Instrumental landscape in 2020. Chair: J.L. Atteia

Third SVOM scientific workshop Status of the scientific program



Session 1	GWs: Summary (2015-2017) and perspectives. Chair: N. Leroy
Session 2	GW 170817 Follow-up. Chair: S. Vergani
Session 3	Binary compact object populations. Chair E. Vangioni
Session 4	The physics of coalescence. Chair: F. Daigne/J. Guillet/ E. Vangioni
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Session 6	SVOM gravitational wave follow-up. Chair C.Lachaud
Session 7	SVOM General Program. Chair A. Claret
Session 8	Long GRB and transients. Chair D. Götz
Session 9	Update of the SVOM White Paper. Chair B. Cordier
Session 10	Instrumental landscape in 2020. Chair: J.L. Atteia

The workshop is on the web



You will find all the presentations on the [indico website](https://indico.in2p3.fr/event/16310) of the workshop :

<https://indico.in2p3.fr/event/16310>

Pwd: CHAMONIX2018

Timetable

Detailview

- Overview
- Timetable**
- My Conference
- My Contributions
- Registration
- Participant List
- First Circular
- Second Circular
- Local Organization Committee
- svom.workshop@gmail...

Restricted Europe/P

Timetable

Mon 14/05 Tue 15/05 Wed 16/05 Thu 17/05 Fri 18/05 All days

Print PDF Full screen Detailed view Filter

Follow-up observations ... GWs : Summary (2015-... Welcome

09:00	Welcome and introduction <i>Les Houches</i>	<i>Bertrand Cordier</i> 09:30 - 10:00
10:00	Results of the O1 and O2 observations campaign <i>Les Houches</i>	<i>Florent Robinet</i> 10:00 - 10:30
	Futur detectors in GW astronomy <i>Les Houches</i>	<i>Nicolas Leroy</i> 10:30 - 11:00
11:00	Coffee break <i>Les Houches</i>	11:00 - 11:30
	GW observation of GW170817 <i>Les Houches</i>	<i>Eric Chassande-Mottin</i> 11:30 - 12:00
12:00	KM3NET	<i>Damien Dornic</i>

We ask the speakers to upload the pdf version of their talk directly on the site or to give their file to the chairman who will take care of it.

Social activities (1/3)

A welcome cocktail will be offered by the School on Monday evening at 19:00



Social activities (2/3)

An introduction to Chinese tea tasting, organized by Qichen, Damien and Jianyan, will take place Tuesday evening after dinner at the School Bar.



Social activities (3/3)

Wednesday afternoon will be dedicated to social activities. Two options will be proposed:

either a bus trip to Chamonix including a visit to the Alpine Museum (<https://www.chamonix.com/musee-alpin,49-187321,en.html>)



or a mountain hike in the surroundings of Les Houches (limited to 30 people). In case you are interested in the hike, don't forget your hiking shoes and a rain suit...

Please register for any of the activities with **Laura** before Tuesday evening

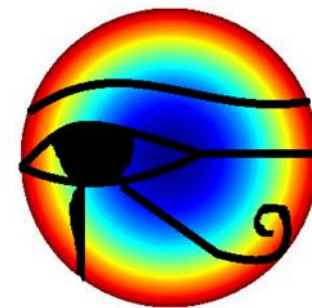
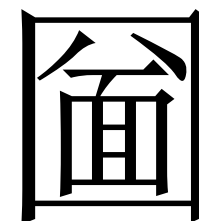
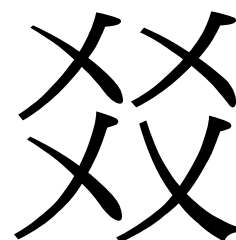
Goup picture

We have a group photo scheduled for Tuesday morning at the beginning of the coffee break 10:30.



The SVOM logos inspired by ancient Chinese Calligraphy and Mythical figures

Thursday evening in the amphitheater, after dinner, Qichen will present us logos for the mission and instruments inspired by ancient Chinese calligraphy and mythical figures.



Thank you and I wish you a very good SVOM workshop!

