

Electronic Newsletter 2012-2013, Part 1

December 11, 2012

In this issue

- [April 2013 Meeting, Denver, Colorado](#)
- [Abstract Deadline: Jan 11, 2013](#)
- [Plenary Sessions](#)
- [Special Invited Sessions](#)
- [Invited Session Schedule](#)
- [Student Travel Grants](#)
- [2012 APS Fellows](#)
- [DAP Elections](#)

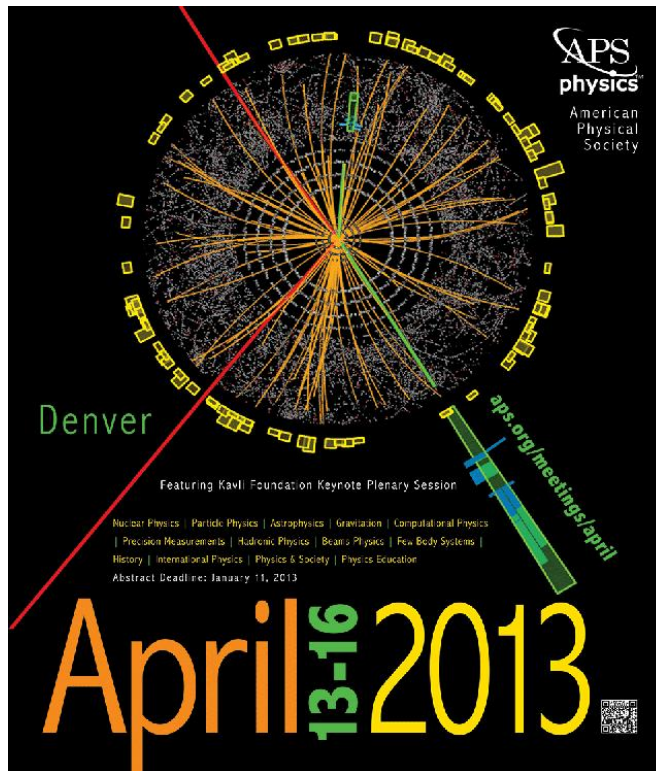
APS DAP Officers 2012-2013:

Chair: Clifford Will
Chair-Elect: Angela Olinto
Vice Chair: John Beacom
Past Chair: Rocky Kolb
Secretary/Treasurer:
Corbin Covault
Deputy Sec./Treasurer:
Grzegorz Madejski
Member-at-Large:
Rachel Bean
Member-at-Large:
Amber Miller
Member-at-Large:
Julie McEnery
Member-at-Large:
Cole Miller
Division Councilor:
Neil Cornish

Questions? Comments?

Newsletter Editor:
Corbin Covault
corbin.covault@cwru.edu

April 2013 APS Meeting



Plan now to attend the April 2013 meeting held this year in Denver, Colorado. A number of plenary and invited sessions will feature presentations by DAP members. Here are the key details:

What: April 2013 APS

When: April 13 through April 16, 2013

Where: Denver, Colorado

Abstract Deadline for April 2013 Meeting:

Friday, January 11, 2013, 5PM EST



Abstract Deadline

Abstract Deadline for April 2013 Meeting:

Friday, January 11, 2013, 5PM EST

The deadline for submitting your abstract to for the April 2013 APS meeting in Denver is fast approaching!

- All abstracts must be submitted online at <http://abs.aps.org/>.
- All submission guidelines and details can be found online at: <http://aps.org/meetings/april/scientific/>
- Only APS members can submit abstracts.
- Be sure to proofread your abstract before submission.
- Select the right **Sorting Categories** will ensure your presentation is grouped and scheduled appropriately by the DAP sorting team.

The APS DAP Executive Committee strongly encourages all Division members to submit abstracts and to plan to attend the 2013 April meeting. Start now to make your plans to attend!

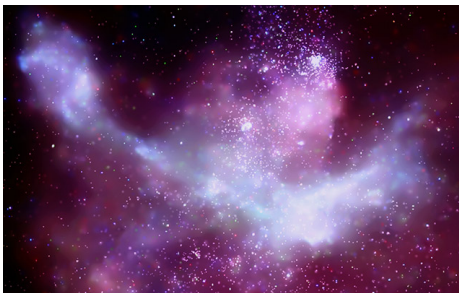


Plenary Session Highlights: Lloyd Knox to Present New Results from Planck

Plans for plenary sessions for the April 2013 APS Meeting are in process. One session that will certainly be of interest to the membership of the DAP is a talk by **Lloyd Knox** (UC Davis) entitled “**The Universe According to Planck**”

Planck is the third-generation satellite aimed at measuring the cosmic microwave background, a relic of the hot big bang. Launched in May 2009 Planck has surveyed the full sky at high sensitivity, high angular resolution and with a broad range of frequencies from 30 to 857 GHz. In this talk I will present our sky maps, their statistical properties and explain how we use them to reach conclusions about the standard cosmological model and extensions to this model. We will consider consistency with other cosmological measurements, and what we can conclude by combining them with Planck.

Several other plenary sessions are likely to be of direct interest to DAP members. For example, **John Heilbron** (UC Berkeley), a distinguished historian of science will give a talk entitled “Bohr’s creation of the quantum atom.” **Debbie Jin** (JILA) will speak on the Quantum Now, and **John Preskill** (Caltech) will speak about Quantum Computing and the entanglement frontier. There will be plenary talks about exciting results from LHC (**Floresca Canelli, Zurich**) and new neutrino results (**Sam Zeller, FNAL**). Details on all plenary sessions will be summarized in Part 2 of this Newsletter, to be distributed in early February, 2013.



Two Special Invited Sessions for April 2012: Young Stars and Hot Topics

For the April 2012 Meeting in Denver, the Division of Astrophysics will sponsor two special invited sessions:

- **2013 Young Stars In Astrophysics: Early Career Recognition Lectures** – This special session features presentations by two young scientists selected by the Division of Astrophysics in the second annual Early Career Recognition lectures: **Ryan Keisler** (Kavli Institute, University of Chicago) and **Francesca Valsecchi** (Northwestern University) are the winners for 2013. The session will also include a talk by the 2013 Edward A. Bouchet Award winner: **Stephon Alexander** (Dartmouth).
- **Hot Topics in Astrophysics:** – The DAP Executive Committee has reserved a slot in the program to allow for the presentation of particularly new and exciting results. For the April 2013 meeting we have the following three talks scheduled for our session on Hot Topics: (1) “Something Interesting from Planck” by **Duncan Hanson** (McGill), (2) “First Results from NuSTAR” by **Fiona Harrison** (Caltech) and (3) “Identifying Supernovae Before They Happen” by **Nathan Smith** (Arizona State).



DAP Invited Sessions for April 2013 Meeting

The Division of Astrophysics is sponsoring or co-sponsoring fourteen invited sessions for the April 2013 Meeting as follows:

- **Saturday, April 13:**

- Gamma-Rays and Active Galaxies
- Nature's Particle Accelerators
- Tidal disruption events

- **Sunday, April 14:**

- Dark Matter
- Origin of Elements
- Dark Energy
- Neutron Stars and Core-Collapse Supernovae
- Galaxy Clusters across the EM spectrum
- Gravitational wave astrophysics

- **Monday, April 15:**

- Cosmic Particle Probes of Fundamental Physics
- Young Stars in Astrophysics
- Hot Topics in Astrophysics
- Multimessengers from Space
- Energetic Neighbors

The detailed schedule for the invited sessions, along speakers and summary highlights for each session, will be included in Part 2 of this newsletter, which will be distributed in early February 2013.



Student Travel Grants For April 2013 Meeting:

Once again, the DAP will offer travel grants to support the attendance of graduate students (or advanced undergraduate students) at this meeting. The amount of each grant will be up to \$600 for travel related expenses for those students who are members of the DAP and who are presenting in DAP-sponsored sessions. DAP students presenting papers in related and/or co-sponsored sessions are eligible for grants of up to \$300. If there are insufficient funds to support all applicants, preference will be given to applicants who have not received travel grant support from DAP to an APS meeting in the past.

Students can apply for grants at any time after notification that their abstract has been accepted into a session for the April 2013 meeting. Students who wish to apply for a grant should plan to send a copy of their submitted abstract, the name and number of the APS session for their presentation, their institutional affiliation, and the name, position, and email address of their dissertation research advisor(s) by email to Corbin Covault at corbin.covault@cwru.edu. Please also indicate whether you have either applied for and/or received an APS travel grant in the past and if so, relay details. Students are encouraged to apply for grants as soon as possible once they have been notified that their abstract has been accepted into a session.

Please note: **The deadline for applications for travel grants to the April 2013 meeting is February 15, 2013.** Applicants will be informed of decisions for travel grants not later than March 1, 2013.



2012 APS Fellows from the Division of Astrophysics

Please join the DAP Executive Committee in congratulating the 2012 American Physical Society Fellows who are members of the Division of Astrophysics:

- James J. Beatty
- Bruce Fryxell
- William L. Holzapfel
- Nemanja Kaloper
- Demosthenes Kazanas
- Lloyd E. Knox
- Heidi Jo Newberg
- Max Tegmark
- Yun Wang

New Fellows will be presented with certificates and pins at the annual DAP Business Meeting which will be held during the April 2013 APS meeting in Denver. Please plan to attend this meeting to honor and personally congratulate this year's Fellows.



Division of Astrophysics Executive Committee Elections:

Each year the Division of Astrophysics (DAP) of the APS elects new members for the open positions on the DAP Executive Committee. The members of the DAP Executive Committee serve to address the needs and interests of the Division within the APS. The Executive Committee has responsibility for the planning and organization of all Division activities and business including detailed program planning for each annual April APS meeting.

A nominating committee has been appointed by the current executive committee. DAP members are also invited to suggest candidates for consideration. Please relay the names of suggested candidates to the DAP Secretary-Treasurer (Corbin Covault, corbin.covault@cwru.edu) by **December 22, 2012**.

The Division of Astrophysics (DAP) will be holding elections to fill vacancies for five open positions as follows:

- **Vice-Chair.** Term of Office: one year, followed sequentially by one year of service as Chair-Elect, and then one year as Chair, and then finally one year as Past Chair. (four years total, serving as a member of the Executive Committee through April, 2017). Duties: The Chair shall convene and preside at all meetings of the Executive Committee and Business Sessions of the Division. The Chair Elect has primary responsibility for organizing Division program sessions and activities for the annual April APS meeting.
- **Members-At-Large (two positions).** Term of Office: two years starting April 2013, term to end April 2015. Duties: The Members-At-Large will serve to enable all plans and activities of the Executive Committee, contributing to the planning and organization of Division program and serving on other DAP committees as needed.
- **Deputy Secretary/Treasurer:** Term of Office: two years, starting April, 2013, thereafter followed by an additional two years serving as Secretary/Treasurer (four years total, serving as a member of the Executive Committee through April, 2017). Duties: The Deputy Secretary/Treasurer shall directly assist the Secretary/Treasurer and serves as the Secretary/Treasurer-elect. The Secretary-Treasurer sends out necessary notices, announcements, and newsletters to the members the Division, and serves as Executive Committee liaison to the APS business office on all matters pertaining to Division finances and disbursements.
- **Division Councilor:** Term of Office: Four years, starting January 1, 2014, term to end December 31, 2017. Duties: The Division Councilor shall serve as liaison between the Council of the Society and the Executive Committee of the Division and shall also serve on other DAP committees as needed.

As in years past, elections will be conducted *online*. Every DAP member will be notified of the elections and will have online access to the job descriptions and statements for each candidate. Elections are anticipated to begin in February 2013 and will be completed by March 2013. Watch your email.

The APS DAP Executive Committee strongly encourages Division members to participate in the 2013 election. Please relay your suggestions for Executive Office Nominations to corbin.covault@cwru.edu by December 22, 2012.