

FIRST ANNOUNCEMENT

Conference: On the Origin (and Evolution) of Baryonic Galaxy Halos

March 13th – 17th, 2017

Galapagos Islands, Ecuador

ESCUELA POLITÉCNICA NACIONAL
OBSERVATORIO ASTRONÓMICO DE QUITO
SWINBURNE UNIVERSITY OF TECHNOLOGY

ON THE ORIGIN (AND EVOLUTION) OF BARYONIC GALAXY HALOS

MARCH 13 - 17, 2017
GALAPAGOS ISLANDS, ECUADOR

SCIENTIFIC ORGANIZING COMMITTEE:
Duncan Forbes (Co chair)
Ericson Lopez (Co chair)
Jean Brodie
Carlos Frenk
Lars Hernquist
Claudia Mendes de Oliveira
Michael Merrifield
Marina Rejkuba
Aaron Romanowsky

LOCAL ORGANIZING COMMITTEE:
Ericson López (Chair)
Jairo Armijos (Co chair)
Christian Vazconez (Co chair)
Crispin Logan

TOPICS OF FOCUS INCLUDE:

- * the origin and evolution of baryonic halos
- * how to define the stellar halo of an elliptical galaxy
- * the stellar component of galaxy halos: metallicity, age, kinematics, density
- * substructures in galaxy halos
- * in-situ vs ex-situ formed stars
- * halo tracers, such as resolved stars, globular clusters, planetary nebulae, satellite galaxies and diffuse gas

INVITED SPEAKERS:
Aaron Romanowsky
Annalisa Pillepich
Bob Abraham
Carlos Frenk
Charlie Conroy (TBC)
Jean Brodie
Kathryn Johnston
Marina Rejkuba
Roelof de Jong (TBC)

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Scientific Rationale

This meeting will focus on the baryonic content of galaxy halos -- their properties, origin and evolution with cosmic time.

The halos of our own Milky Way galaxy and close neighbor M31 have been studied in some detail. Deep, wide and detailed observations of galaxy halos beyond the Local Group are becoming more ubiquitous. Simulations that incorporate realistic baryonic physics in a cosmological context have also made significant progress in recent years in modelling galaxy halos. These simulations predict outer halo regions that differ strongly in their formation processes and properties from the well-studied inner regions of galaxies. Halos have long dynamical times and as such preserve the unique signatures of galaxy assembly. This meeting brings together observers and simulators of the baryonic halos of galaxies, focusing on extragalactic halos.

Topics of the conference include:

- the origin and evolution of baryonic halos
- how to define the stellar halo of an elliptical galaxy
- the stellar components of galaxy halos: metallicity, age, kinematics, density
- substructures in galaxy halos
- in-situ vs ex-situ formed stars
- halo tracers, such as resolved stars, globular clusters, planetary nebulae, satellite galaxies and diffuse gas

Location and Venue

The Conference On the Origin (and Evolution) of Baryonic Galaxy Halos (Galapagos 2017), will take place in the town of Puerto Ayora, the capital of the province of Galapagos and located in Santa Cruz island, the second largest of the Galapagos Islands. Puerto Ayora is the most populous town in the Galapagos Islands, with more than 12,000 inhabitants. This town has the best developed infrastructure in the Archipelago. This is a safe tourist town, and offers many activities and attractions to the visitors. The Galapagos Islands are part of Ecuador and a unique location for the flora and fauna that inspired Charles Darwin.

The conference venue is the auditorium of the Santa Cruz Municipality, with a capacity for 150 participants, located in the very center of the town (between the Grand Lobo de Mar Hotel and the office of TAME, an Ecuadorian airline). The conference is organized with the support of the mayor of the city and his administrative collaborators.

The venue address is:

Av. Charles Darwin y 12 de Febrero, Puerto Ayora, Capital of Galapagos, Ecuador, Tel: 593-5 2526 153, Fax: 593-5 2526 505.

Organizers and sponsors

Scientific Organizing Committee:

Duncan Forbes (Co-chair)
Ericson Lopez (Co-chair)
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Carlos Frenk
Lars Hernquist
Claudia Mendes de Oliveira
Michael Merrifield
Marina Rejkuba
Aaron Romanowsky

Local Organizing Committee:

Ericson Lopez (Chair)
Jairo Armijos (Co-chair)
Christian Vazconez (Co-chair)
Crispin Logan

Organizing Institutions:



Invited Speakers

Aaron Romanowsky	GCs, PNe, Xrays and satellites
Annalisa Pillepich	Illustris halo simulations
Bob Abraham	Halo substructure – observations
Carlos Frenk	EAGLE halo simulations
Charlie Conroy (TBC)	Stellar population models
Jean Brodie	SLUGGS survey of elliptical halos
Kathryn Johnston	Halo substructure - simulations
Marina Rejkuba	Resolved stars halos
Roelof de Jong (TBC)	GHOSTS survey of spiral halos

Program Outline

The Conference, entitled “On the Origin (and Evolution) of Baryonic Galaxy Halos” (Galapagos 2017), will be held in the Galapagos Islands from March 13th (Monday) to 17th (Friday) 2017. A welcome reception will be organized on March 12th (Sunday). The conference dinner (with space for guests) will be held on March 16th (Thursday). The conference will start every day at 9 am and will finish around 6 pm, with the exception of March 15th (Wednesday) when we plan to finish at 1 pm for a half day excursion in the afternoon. Lunch time will be from 1 pm to 2:25 pm every day (with each participant making their own arrangements for lunch). Each session will be interrupted by a coffee break 40 min long to facilitate discussions between participants. The conference will consist of 4.5 days of Talks (and Posters). As well as the 9 invited talks, we are aiming to schedule around 60 contributed talks. We are also aiming to have space for 50 posters. Ample question time will be allocated after each talk in order to promote discussion.

Important Dates and Deadlines (Ecuadorian Time)

Now: Conference website accepting Abstracts

April 2016: First conference announcement

June 2016: Second conference announcement

27th August 2016: Abstract deadline for Talks and Posters

7th October 2016: Announcement of Talk and Poster decisions

November 2016: Third conference announcement

1st December 2016: Registration fee deadline

13th- 17th March 2017: Conference

1st July 2017: Articles for proceedings deadline

Registration

The registration form is given at the conference website: <http://galaxyhalos.epn.edu.ec>.

Registration fee deadline is 1st December 2016. Non-students US \$ 400, Students US \$200 (students with accepted Talk or Poster contributions will have the registration fee waived)

The registration fee includes:

- Group transportation from Baltra airport to Puerto Ayora town center on arrival March 11th and 12th and departure March 18th (outside of those dates, participants need to arrange their own transport to/from the airport).
- Participants kits (conference souvenir, program and other materials).
- Welcome Reception on Sunday March 12th

- Coffee/tea breaks and refreshments.
- Conference dinner on Thursday March 16th
- Conference excursions on Wednesday March 15th
- Registration fee waived for students that are accepted to give a Talk or Poster

Abstract submission

The Abstract submission form is given at the conference Website
<http://galaxyhalos.epn.edu.ec>.

The deadline is 27th August 2016 for the contributed Talk and Poster Abstracts. You may submit only 1 Abstract for either a Talk or a Poster. We only support a single Talk or Poster per attendee. If you apply for a Talk, you may be offered a Poster slot.

Contact

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Please circulate this email within your own institution.

Sincerely,

Duncan Forbes and Ericson Lopez on behalf of the SOC