

# THE PORTUGUESE NEWSLETTER OF ASTRONOMY

## *BOLETIM PORTUGUÊS DE ASTRONOMIA*

No. 5 — January 2008

Nº 5 — *Janeiro 2008*

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## 1 ABSTRACTS OF RECENTLY ACCEPTED PAPERS

### *Resumos de artigos aceites recentemente*

#### **The colour of the narrow line Sy1-blazar 0324+3410**

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<sup>3</sup> Faculdade de Ciências da Universidade de Lisboa;

**Aims:** We investigate the properties of the host galaxy of the blazar J0324+3410 (B2 0321+33) by the analysis of B and R images obtained with the NOT under good photometric conditions.

**Methods:** The galaxy was studied using different methods: Sersic model fitting, unsharp-masked images, B-R image and B-R profile analysis.

**Results:** The images show that the host galaxy has a ring-like morphology. The B-R colour image reveals two bluish zones: one that coincides with the nuclear region, interpreted as the signature of emission related to the active nucleus, the other zone is extended and is located in the host ring-structure. We discuss the hypothesis that the later is thermal emission from a burst of star formation triggered by an interacting process.

Accepted by: Astronomy and Astrophysics

## 2 NEW JOB AND SCHOLARSHIP OFFERS

### *Anúncios recentes de empregos e bolsas*

#### **ESA Research Fellowship in Space Science**

**Paula Teixeira** ; E-mail contact: pteixeira@cfa.harvard.edu

The ESA Postdoctoral Research Fellowship Programme is aimed at providing young scientists, holding a PhD or the equivalent degree, with the means of performing research in space science. The programme is open to suitably qualified women and men. Preference will be given to applications submitted by candidates within five years of receiving their PhD. Candidates not holding a PhD yet can also apply, but they must provide evidence of receiving their degree before starting the fellowship.

Appointments for an ESA fellowship are for two years, after which Fellows normally leave ESA. The fellowship in space science is tenable at the European Space Research and Technology Centre (ESTEC) in Noordwijk, the Netherlands, or at the European Space Astronomy Centre (ESAC) in Villafranca del Castillo, Spain. The Fellowship Programme does not currently grant fellowships in other institutions outside of ESA. The fellowships are open to nationals of ESA Member States (Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom) and to nationals of states adhering to the PECS cooperation scheme (Canada, Czech Republic, Hungary, Poland and Romania). Detailed information about the conditions, eligibility and benefits of the ESA Fellowship Programme can be found here: [http://www.esa.int/SPECIALS/Careers\\_at\\_ESA/SEM19DX04HD\\_0.html](http://www.esa.int/SPECIALS/Careers_at_ESA/SEM19DX04HD_0.html).

How to apply

The deadline for the 2008 call for applications is 21 January 2008. The application form can be found here: <http://www.rssd.esa.int/SYS/FACULTY/include/ApplicationForm.doc>. Candidates should produce a PDF file using the application form as a template and submit it electronically by e-mail to the address temp.htr@esa.int, as indicated on the form. The length of the text in sections 22, 23 and 24 of the form should not exceed the indicated limits. Also

please note that, unlike other ESA fellowships, for the Fellowship in Space Science no additional material or annex such as CVs, certificates of degrees or copies of articles should be attached. The only information needed is that indicated in the application form. Candidates must also arrange for three letters of reference to be sent by e-mail, before the deadline, to the same address [temp.htr@esa.int](mailto:temp.htr@esa.int). The letters must be sent by the referees themselves, one of whom should be the candidate's PhD supervisor. In the unlikely event that a letter of reference cannot be submitted electronically, it may be sent by post to: ESTEC, Fellowship Programme, Human Resources Division, Keplerlaan 1, 2200 AG Noordwijk, The Netherlands. Applications and letters arriving after the deadline will not be considered.

Enquiries on the scientific aspects of the programme can be sent at any time to the fellowship coordinator, Guido De Marchi.

### 3 MEETINGS AND CONFERENCES

#### *Reuniões e encontros*

#### **ASTRONET INFRASTRUCTURE ROADMAP SYMPOSIUM 2008**

Paula Teixeira ; E-mail contact: [pteixeira@cfa.harvard.edu](mailto:pteixeira@cfa.harvard.edu)

June 16-19, 2008

Liverpool Arena and Convention Centre, United Kindgom

Webpage:<http://www.astro.livjm.ac.uk/~airs2008>

Dear colleagues,

As you may know, the EU-funded ASTRONET project is developing a Roadmap for European astronomy covering the period 2010-2025. The process is well underway and the first complete draft will be released in the Spring of 2008. It is now our pleasure to announce the opportunity for you to contribute to this important initiative.

This symposium, to be held in Liverpool on 16-19 June 2008, is being organised as part of a wide consultation process, which started with the constitution of five thematic Panels and a Working Group drawn from the astronomical community. Since March 2007, this team of experts has been preparing a comprehensive, prioritised, pan-European plan, detailing those facilities that will be necessary to deliver the ASTRONET Science Vision, and addressing also other important aspects such as education, training and public awareness.

The following five sub-panels were charged by the ASTRONET board to address specific areas of infrastructure:

- Panel A: High energy astrophysics, astroparticle physics and gravitational waves
- Panel B: UVOIR and radio/mm, including survey instruments
- Panel C: Solar telescopes, "in situ" (solar system) missions, laboratory studies
- Panel D: Theory, computing facilities and networks, Virtual Observatory
- Panel E: Education, recruitment and training, public outreach

The Infrastructure Roadmap Working Group (IRWG) is responsible for synthesising the conclusions of the Panels into one overarching Roadmap document, and is composed of the chairs and co-chairs of the panels and several members at large. Full membership of the IRWG and the panels is available at <http://www.astronet-eu.org/-Infrastructure-Roadmap->.

The first draft roadmap document will be widely distributed to the European astronomical community at large ahead of the Symposium, and a web-based discussion forum will be opened in parallel to give everyone the opportunity to express their views.

After this stage, the Liverpool Symposium will provide a live forum for the community to debate the draft recommendations formulated by the IRWG. Ample time for discussion is foreseen, in the form of both plenary and specialised, parallel sessions where the individual projects may be presented and the conclusions of each panel will be debated.

After the Symposium, the IRWG will consider the outcomes of this wide consultation process to formulate the final roadmap that will be publicly released in the Autumn of 2008.

We urge you to take part in these discussions, for your contribution is essential. All of the European astronomical community is invited to participate, including observers, theorists, instrument developers and engineers, educators and communicators.

Specific information about the Symposium, including a very preliminary programme, is available at <http://www.astro.livjm.ac.uk/~airs2008>. The registration will open in early 2008, meanwhile you will be able to register your interest and sign up for an email alert. Please note that there will be no registration fee.

The IRWG acts as the Scientific Organising Committee for the Symposium.

Finally, you are advised to book your accommodation as early as possible. Please see our Hotel Information page at: <http://www.astro.livjm.ac.uk/~airs2008/Hotel.html>

On behalf of the LOC and the SOC we look forward to welcoming you in Liverpool.

Mike Bode  
Maria Cruz

### **43rd Rencontres de Moriond**

**Paula Teixeira** ; E-mail contact: [pteixeira@cfa.harvard.edu](mailto:pteixeira@cfa.harvard.edu)

Dear colleague,

The next Rencontres de Moriond meeting devoted to Cosmology will be organized in La Thuile (Valle d'Aosta, Italy), March 15-22, 2008.

Registration is open on <http://moriond.in2p3.fr/J08/> where more details can be found (including abstract submission).

The main topics addressed are:

- A. Dark Energy
- B. Dark Matter
- C. Structure Formation: simulation input to cosmology
- D. CMB
- E. Theoretical Perspectives