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forthcoming conferences

| | | |
|---|---|-------------------------|
| Geneva, Switzerland 25-30 Jun 2006 | International Symposium on Nuclear Astrophysics - Nuclei in the Cosmos - IX | Expected in Summer 2006 |
| Cape Town, South Africa 3-6 Apr 2006 | International Workshop on Fast Neutron Detectors and Applications | Expected in Summer 2006 |
| Palermo, Italy 3-4 February 2006 | Grid Technology for Financial Modeling and Simulation | Expected in Winter 2006 |
| Coimbra, Portugal 12-15 January 2006 | International Workshop on Top Quark Physics | Expected in Spring 2006 |
| Budapest, Hungary 1-3 August 2005 | 23th Johns Hopkins Workshop on Current Problems in Particle Theory | Expected in Winter 2006 |
| Bangalore, India 31 Aug - 2 Sep 2005 | International Conference on Statistical Mechanics of Plasticity and Related Instabilities | Expected in Winter 2006 |
| Lisboa, Portugal 21-27 Jul 2005 | HEP2005 International Europhysics Conference on High Energy Physics | Expected in Winter 2006 |

recent conferences

| | | |
|-------------------------------------|--|---------------------------------|
| Baltimore, Maryland 5-8 Jun 2004 | 28th Johns Hopkins Workshop on Current Problems in Particle Theory | PoS(JHW2004) November 2005 |
| Roma, Italia 30 Mar - 1 Apr 2005 | Control Systems: Theory, Numerics and Applications | PoS(CSTNA2005) November 2005 |

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PoS was set up in 2005 to capitalise SISSA's pioneering experience in electronic scholarly publishing (initially with JHEP, later followed by JCAP, JSTAT, JINST and JCOM).

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The screenshot shows the PoS website interface. At the top, there is a navigation bar with the PoS logo and the text 'PROCEEDINGS OF SCIENCE'. Below the navigation bar, there are five tabs: 'all conferences', 'for organizers', 'for chairmen', 'for authors', and 'for all readers'. The main content area displays a list of talks, categorized into 'Invited talk' and 'Contributed talk'. Each talk entry includes the author's name, the title of the talk, and a link to the abstract PDF file.

| Invited talk | | |
|---------------------|--|------------------------------|
| Andrea Ferrara | First stars and the cosmic dawn | BDMH2004–abstracts/001 [pdf] |
| Luigi Danese | A physical model for formation and evolution of QSOs and of their spheroidal hosts | BDMH2004–abstracts/003 [pdf] |
| Peter Schuecker | Present and future applications of galaxy clusters in cosmology | BDMH2004–abstracts/007 [pdf] |
| Peter Schneider | Weak lensing as a probe of the dark matter distribution | BDMH2004–abstracts/013 [pdf] |
| Andreas Burkert | The structure of cold dark matter halos and the nature of dark matter | BDMH2004–abstracts/017 [pdf] |
| Piero Rosati | Cold and hot baryons in the most distant galaxy clusters | BDMH2004–abstracts/022 [pdf] |
| Sabine Schindler | Interaction of galaxies with the intra–cluster medium and ICM metal enrichment | BDMH2004–abstracts/023 [pdf] |
| Magda Arnaboldi | Diffuse light in clusters of galaxies | BDMH2004–abstracts/026 [pdf] |
| Angela Iovino | Groups of galaxies | BDMH2004–abstracts/030 [pdf] |
| Bianca Poggianti | Evolution of galaxies in clusters | BDMH2004–abstracts/035 [pdf] |
| Bernd Vollmer | Galaxy evolution in the virgo cluster | BDMH2004–abstracts/036 [pdf] |
| Frank Van den Bosch | The galaxy–dark matter connection | BDMH2004–abstracts/041 [pdf] |
| Reynier Peletier | The formation of galactic bulges | BDMH2004–abstracts/060 [pdf] |
| Rodrigo Ibata | The formation of the Milky Way | BDMH2004–abstracts/069 [pdf] |
| Francesca Matteucci | Chemical evolution of galaxies and galaxy formation mechanisms | BDMH2004–abstracts/072 [pdf] |
| Contributed talk | | |
| Philipp Richter | Baryons in the Warm–hot Intergalactic Medium | BDMH2004–abstracts/002 [pdf] |

Organisers and authors interact from the PoS website to publish **proceedings** and **lecture notes** through simple and user-friendly web pages where:

- the index of the publication is set up
- contributions are uploaded in the form of PDF files (and including **multimedia attachments**)
- contributions are peer-reviewed and published, with **authors retaining full copyright** (Creative Commons Licence)
- contributions are thus made available to all interested readers (**Open Access**)

The screenshot shows the PoS website interface. At the top, there is a navigation menu with links for 'all conferences', 'for organizers', 'for chairmen', 'for authors', and 'for all readers'. Below this is a table of invited talks. The main content area displays a preview of a paper titled 'First Stars and the Cosmic Dawn' by A. Ferrara, published in the proceedings 'BDMH 2004 - Baryons in Dark Matter Halos'.

| Invited talk | |
|---------------------|---|
| Andrea Ferrara | First stars |
| Luigi Danese | A physical picture of the first stars |
| Peter Schuecker | Presenting the first stars |
| Peter Schneider | Weak lensing of the first stars |
| Andreas Burkert | The structure of the first stars |
| Piero Rosati | Cold dark matter and the first stars |
| Sabine Schindler | Interaction of the first stars with the dark matter |
| Magda Arnaboldi | Diffuse emission from the first stars |
| Angela Iovino | Group dynamics and the first stars |
| Bianca Poggianti | Evolution of the first stars |
| Bernd Vollmer | Galaxy formation and the first stars |
| Frank Van den Bosch | The galaxy formation and the first stars |
| Reynier Peletier | The formation of the first stars |
| Rodrigo Ibbota | The formation of the first stars |
| Francesca Matteucci | Chemical evolution and the first stars |
| Contributed talk | |
| Philipp Richter | Baryons in Dark Matter Halos |

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First Stars and the Cosmic Dawn

A. Ferrara
SISSA

The appearance of the first stars when the universe was only 100 Myr old marked the Cosmic Dawn and the occurrence of a number of physical effects (cosmic reionization, intergalactic medium metal enrichment, black hole formation, magnetic field cosmogenesis and - obviously - galaxy formation) which are now entering the realm of the observability and are strongly governed by so-called 'feedback effects'. I will review these physical processes at high redshift ($z > 5$) and their detectable imprints, and propose a number of experiments which could yield the first observational signals from the Dark Ages of the universe.

POs (BDMH2004) 001

BDMH 2004 - Baryons in Dark Matter Halos
5-9 October 2004
Novigrad (Croatia)

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The proceedings for ISHEPP 2012 will be published on PoS

- authors will be contacted by the organisers and provided with login data to access their personal pages on PoS (where the style files are available)
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- First deadline: **September 30, 2012**

Reporter willing to publish the paper should provide (send the information to ishepp@theor.jinr.ru):

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first name

affiliation

valid email

contribution title



- After the first deadline every author will be registered and provided by login data to their personal pages on PoS. (Note! The information for registration sent **after the first deadline** will not be accepted!)
- The authors will be also provided by templates for the articles in LaTeX and Word formats



- Second deadline: **November 30, 2012**

Registered authors should submit the papers using provided login data to their personal pages on PoS



- Submitted papers will be reviewed by organizers and published



- Detailed information will be sent by e-mail
- Every message will be acknowledged

