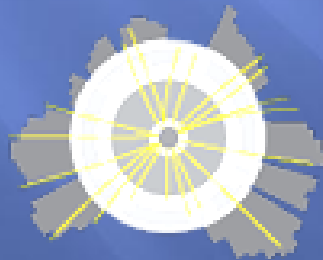


Lattice 2012
Cairns, Australia



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The screenshot shows the PoS website interface. At the top, there is a navigation bar with links for 'all conferences', 'for organizers', 'for chairmen', 'for authors', and 'for all readers'. Below this is a table of invited talks. The table has two columns: 'Invited talk' and 'Author'. The entries are:

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	Interactions between the first stars and the dark matter
Magda Arnaboldi	Diffuse radiation from the first stars
Angela Iovino	Groups 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

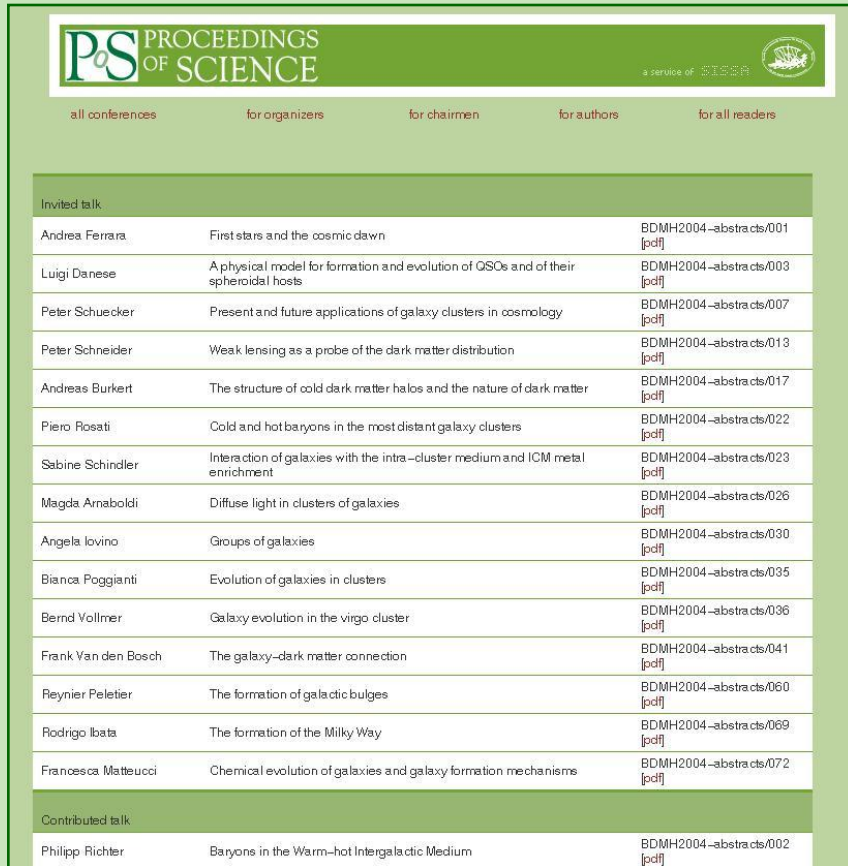
The detailed view of the talk 'First Stars and the Cosmic Dawn' by A. Ferrara is shown below. It includes the title, author name, affiliation (SISSA), and the abstract text. The abstract discusses the appearance of the first stars when the universe was only 100 Myr old, marking the Cosmic Dawn and the 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'. The author states they 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.

Published by SISSA <http://pos.sissa.it>

The proceedings for Lattice 2012 will be published by 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)
- From their PoS pages authors can upload a PDF file (plus any attachments), with a simple two-step procedure.
- The **deadline for submissions is Monday 29 October 2012.**





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 invited talks, each with the speaker's name, the title of the talk, and a link to the PDF file.

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

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

- Contributions are uploaded in the form of PDF files (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 Proceedings of Science website interface. On the left, there 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 by SISSA. The paper's abstract discusses the appearance of the first stars and the occurrence of various physical effects like cosmic reionization and intergalactic medium metal enrichment. The website header includes navigation links for all conferences, organizers, chairmen, authors, and all readers.

Invited talk	
Andrea Ferrara	First stars
Luigi Danese	A physical sphere
Peter Schuecker	Presentations
Peter Schneider	Weak lensing
Andreas Burkert	The structure of dark matter halos
Piero Rosati	Cold dark matter
Sabine Schindler	Interactions and enrichment
Magda Arnaboldi	Diffuse emission
Angela Iovino	Groups and clusters
Bianca Poggianti	Evolution of galaxies
Bernd Vollmer	Galaxy clusters
Frank Van den Bosch	The galaxy cluster environment
Reynier Peletier	The formation of galaxies
Rodrigo Ibata	The formation of galaxies
Francesca Matteucci	Chemical evolution
Contributed talk	
Philipp Richter	Baryons in Dark Matter Halos

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)

Published by SISSA <http://pos.sissa.it>

- Page Limits (Title page + pages)
 - 1 + 6 = 7 pages for parallel & poster presentations
 - 1 + 14 = 15 pages for 30 minute plenary presentations
 - 1 + 21 = 22 pages for 45 minute plenary presentations
- The **deadline for submissions is Monday 29 October 2012.**



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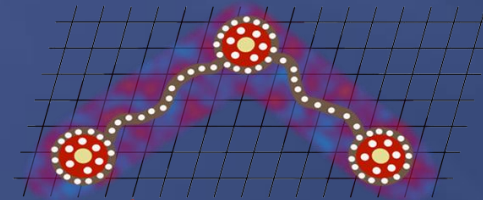
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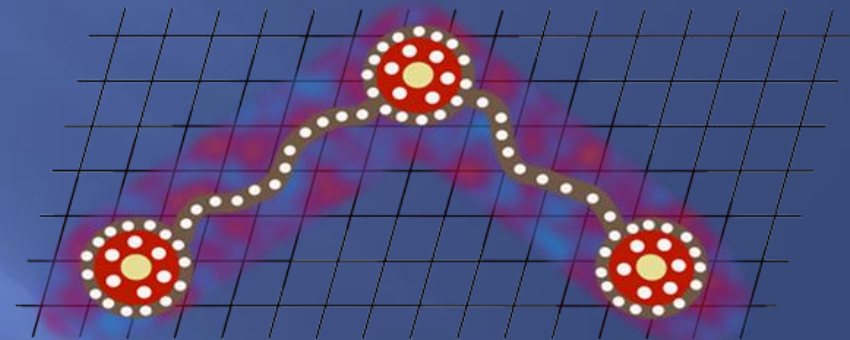
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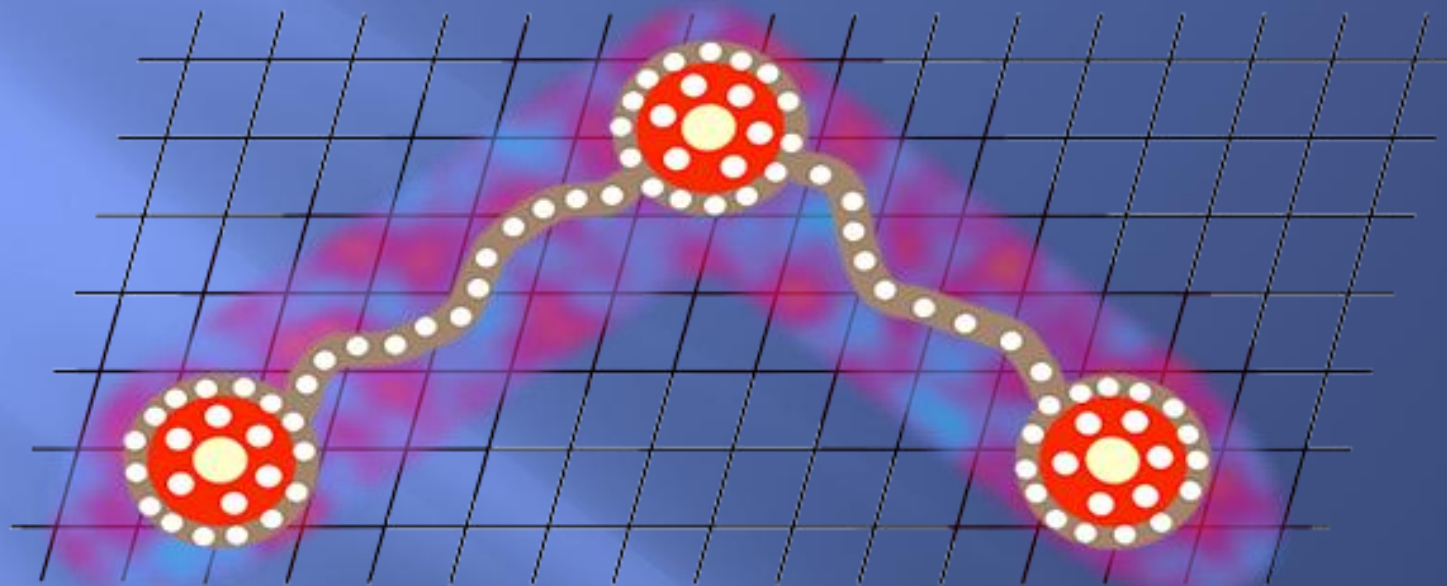
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