



WELCOME TO BEAUTY 2018

on behalf of the organizing committee:

Giovanni Punzi

University and INFN, Pisa

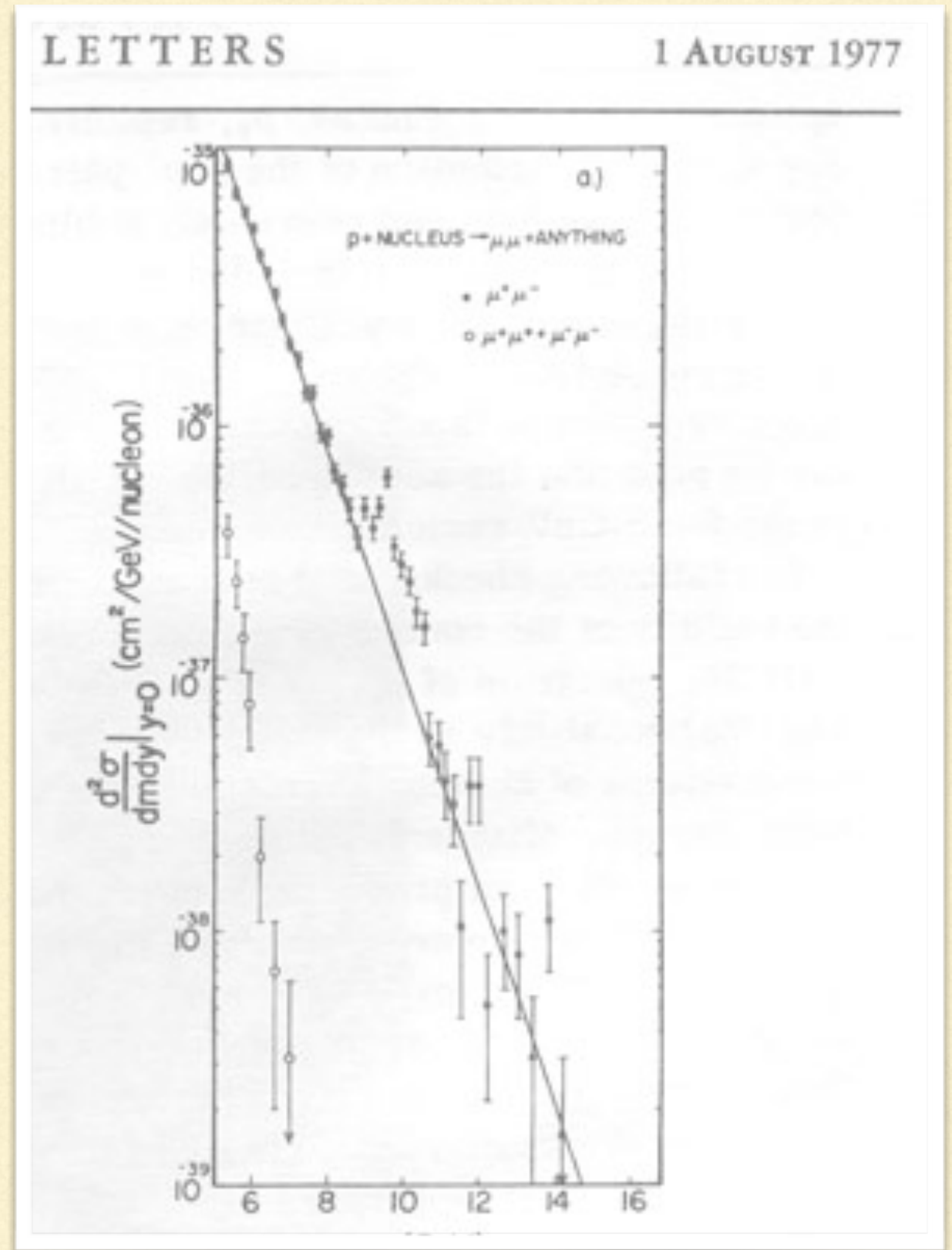
May 6th , 2018



BEAUTY 2018

is the 17th edition of the
**International Conference on
B-Physics at Frontier Machines**

Previous was Marseille 2016 - we had
no conference in between, but 2017
was the 40th anniversary of the
observation of the b quark - worth
pausing a moment to rejoice in the
good things that followed



PROGRAM AT A GLANCE

- Monday: CP violation / Spectroscopy
 - Tuesday: Posters, Properties, Semileptons, BSM
 - Wednesday: Production, K's / **Tour + Outreach event**
 - Thursday: Rare, Penguins, and LFV / **Social Dinner**
 - Friday: Charm Physics / Future
-

PROGRAM AT A GLANCE

- Monday: CP violation / Spectroscopy
- Tuesday: Posters, Properties, Semileptons, BSM
- Wednesday: Production, K's / **Tour + Outreach event**
- Thursday: Rare, Penguins, and LFV / **Social Dinner**
- Friday: Charm Physics / Future

Please upload your slides before the start of the session, and keep within your allotted time !

CONFERENCE PROCEEDINGS

PoS PROCEEDINGS OF SCIENCE
a service of SISSA

all conferences for organizers for chairmen for authors for all readers

Invited talk

Andrea Ferrara	First stars
Luigi Danese	A physical picture of the early universe
Peter Schuecker	Presenting the results of the BDMH 2004
Peter Schneider	Weak lensing in the early universe
Andreas Burkert	The structure of the first galaxies
Piero Rosati	Cold dark matter and the formation of the first galaxies
Sabine Schindler	Interactions and enrichment in the early universe
Magda Arnaboldi	Diffuse radiation in the early universe
Angela Iovino	Groups and clusters in the early universe
Bianca Poggianti	Evolution of the first galaxies
Bernd Vollmer	Galaxy formation in the early universe
Frank Van den Bosch	The galaxy formation in the early universe
Reynier Peletier	The formation of the first galaxies
Rodrigo Ibata	The formation of the first galaxies
Francesca Matteucci	Chemical evolution in the early universe

Contributed talk

Philipp Richter	Baryons in Dark Matter Halos
-----------------	------------------------------

PoS PROCEEDINGS OF SCIENCE

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

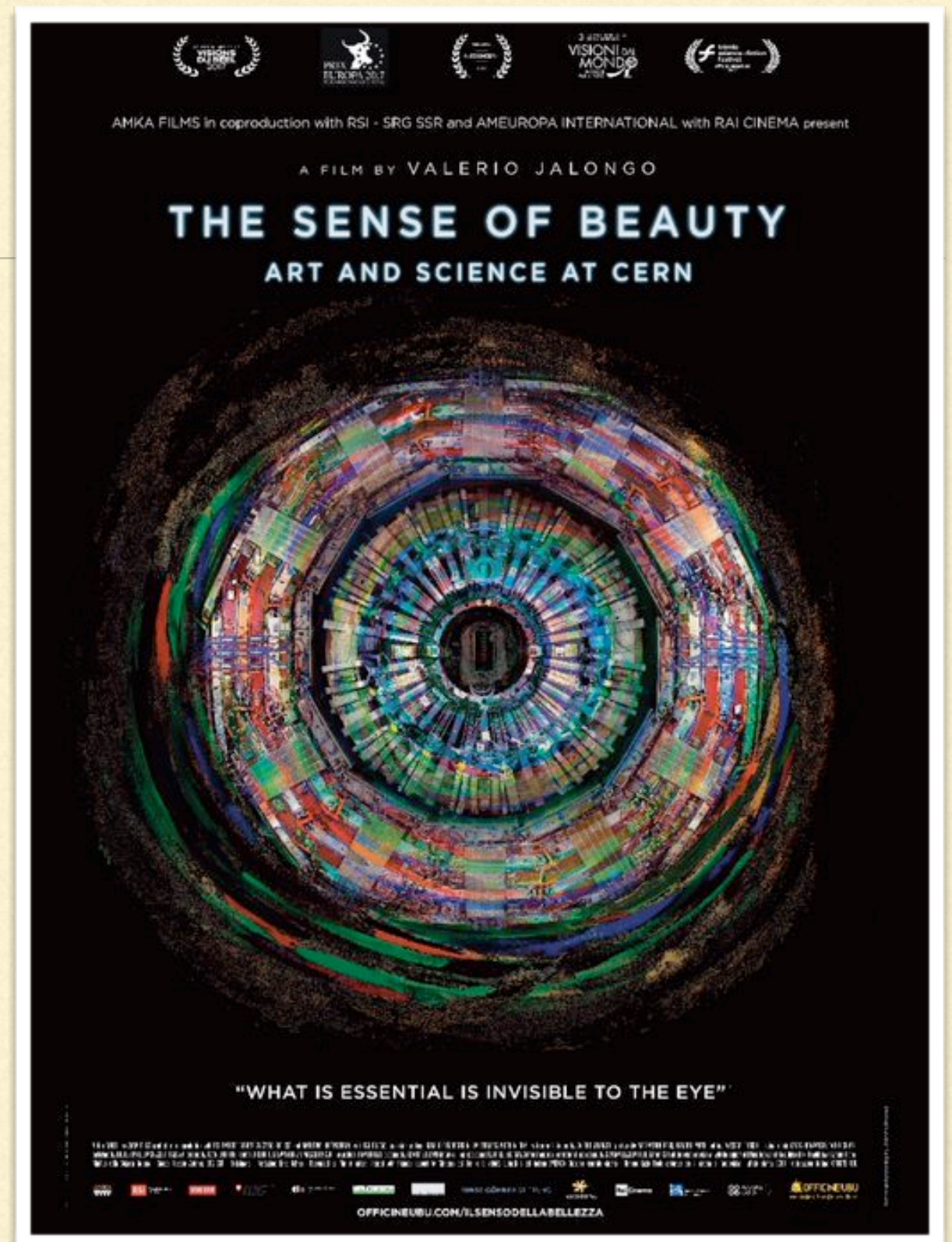
<http://pos.sissa.it>

- The proceedings for **BEAUTY2018** will be published on PoS
- Max 8 pages per talk (4 for posters)
- Authors will be contacted by the organizers 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.
- For more information contact **Fabrizio Palla** or pos-eo@sissa.it (PoS Editorial office)

SUBMISSION DEADLINE: **JUNE 30th**

OUTREACH EVENT

- "The sense of Beauty" (in italian)
- Shown in Portoferraio on Wednesday for school audiences
- With live commentary/discussion from ourselves (contact Michael Morello if you wish to contribute)



TOURS

Leaving at 15:00 from Hermitage

Portoferraio Stroll



Island Charme (Capoliveri)



PRACTICALITIES

- Sessions normally run 9-13 , 16-19:30
 - Coffee breaks in opposite room or outside. Lunch at *Fuoco di Bosco* everyday.
 - Dinner in your own Hotel. Social Dinner at Maitu' restaurant
 - If you have not yet chosen your Tour for Wednesday, please do so !
 - Plan to have a group photo - time according to weather (likely Wednesday)
 - If you have questions about WiFi or other, ask our secretariat
-

COMMITTEES

International Advisory Committee

Elena Bruna, INFN, Torino
Paula Eerola, University of Helsinki
Samim Erhan, UCLA
Hal Evans, Indiana University
Svjetlana Fajfer, University of Ljubljana
Fernando Ferroni, Università La Sapienza, Roma
Robert Fleischer (*co-chair*), Nikhef and Vrije Universiteit Amsterdam
Bostjan Golob, University of Ljubljana
Neville Harnew (*co-chair*), University of Oxford
Gudrun Hiller, TU Dortmund University
Kay Kinoshita, University of Cincinnati
Andreas Kronfeld, Fermilab
Sandro Palestini, CERN
Fabrizio Palla, INFN, Pisa
Kevin Pitts, University of Illinois
Jonathan Rosner, University of Chicago
Maria Smizanska, Lancaster University
Sheldon Stone, Syracuse University
Karim Trabelsi, KEK
Ulrich Uwer, University of Heidelberg
Vincenzo Vagnoni, INFN, Bologna
Guy Wilkinson, University of Oxford

Local Organizing Committee

Giulia Casarosa, Università di Pisa
Riccardo Cenci, Università di Pisa
Giorgio Chiarelli, INFN, Pisa
Michael Morello, Scuola Normale Superiore, Pisa
Fabrizio Palla, INFN, Pisa
Giovanni Punzi (*chair*), Università di Pisa

Conference Secretariat

Maria Rita Ferrazza
Lucia Lilli

COMMITTEES

International Advisory Committee

Elena Bruna, INFN, Torino
Paula Eerola, University of Helsinki
Samim Erhan, UCLA
Hal Evans, Indiana University
Svjetlana Fajfer, University of Ljubljana
Fernando Ferroni, Università La Sapienza, Roma
Robert Fleischer (*co-chair*), Nikhef and Vrije Universiteit Amsterdam
Bostjan Golob, University of Ljubljana
Neville Harnew (*co-chair*), University of Oxford
Gudrun Hiller, TU Dortmund University
Kay Kinoshita, University of Cincinnati
Andreas Kronfeld, Fermilab
Sandro Palestini, CERN
Fabrizio Palla, INFN, Pisa
Kevin Pitts, University of Illinois
Jonathan Rosner, University of Chicago
Maria Smizanska, Lancaster University
Sheldon Stone, Syracuse University
Karim Trabelsi, KEK
Ulrich Uwer, University of Heidelberg
Vincenzo Vagnoni, INFN, Bologna
Guy Wilkinson, University of Oxford

Local Organizing Committee

Giulia Casarosa, Università di Pisa
Riccardo Cenci, Università di Pisa
Giorgio Chiarelli, INFN, Pisa
Michael Morello, Scuola Normale Superiore, Pisa
Fabrizio Palla, INFN, Pisa
Giovanni Punzi (*chair*), Università di Pisa

Conference Secretariat

Maria Rita Ferrazza
Lucia Lilli

Enjoy the Conference !
