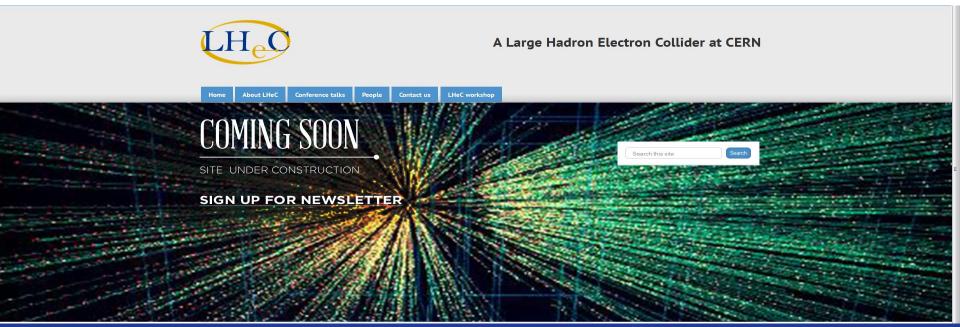


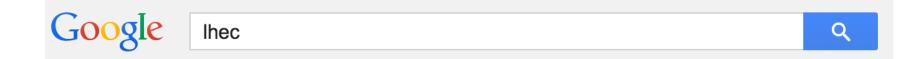
LHeC beyond science

Alessandra Valloni





WHAT IF YOU DIGIT "LHeC" ON GOOGLE ...?



The LHeC: Deep Inelastic Electron-Nucleon Scattering at the LHC www.ep.ph.bham.ac.uk/exp/LHeC/ ▼

LHeC Project Notes - CERN Document Server cds.cern.ch > ... > Articles & Preprints > CERN Notes ▼

Many papers and presentations...

Electrons for the LHC - CERN Courier cerncourier.com/cws/article/cern/49352 > 7

LHeC: novel designs for electron–quark scattering - CERN Courier cerncourier.com/cws/article/cern/38298 ▼



WHAT IF YOU DIGIT "LHeC" ON GOOGLE ...?



Ihec

Q

LHeC

Da Wikipedia, l'enciclopedia libera.



Questa voce sull'argomento fisica delle particelle è solo un abbozzo.

Contribuisci a migliorarla secondo le convenzioni di Wikipedia.

LHeC è un collisore di particelle in studio presso il CERN che potrà sfruttare l'accerelatore LHC per studiare interazioni leptone-nucleone. Un fascio di protoni o ioni già esistente a 7 TeV potrà essere fatto collidere con un nuovo fascio di elettroni nello stesso momento in cui avvengono interazioni protone-protone (o ioni pesanti) con gli attuali esperimenti di LHC.

Collegamenti esterni [modifica | modifica sorgente]

• sito ufficiale 🚱

LHeC

Der LHeC (Kurzform für Large Hadron-Electron Collider) ist ein Beschleunigerprojekt, das den existierenden LHC-Speichering – den gegenwärtig leistungsfähigsten Beschleuniger am CERN-Forschungsinstitut in Genf – nicht nur in der Leistungsstärke, sondern auch im Spektrum der untersuchten Zusammenstöße wesentlich erweitern soll: Statt der Hadron-Hadron-Zusammenstöße wie bisher sollen wie beim stillgelegten Hamburger Elektron-Proton-Beschleuniger HERA [1] auch Proton-Elektron-Stöße untersucht werden können. Dies ist z. B. für die Untersuchung des Higgs-Bosons vielversprechend.

Das Konzept des LHeC besteht im Wesentlichen darin, den bestehenden LHC-Ring durch zwei tangential zu diesem angeordnete supraleitende Elektron-Linearbeschleuniger der Länge 1008 m zu ergänzen.

Zusätzlich zu den beiden gegenläufigen Proton-Strahlen (oder Schwerionen-Strahlen) des LHC können dann Elektron-Strahlen auf 60 GeV beschleunigt werden. Anschließend kann der Elektronstrahl wieder "entschleunigt" werden, sodass die Energie wieder zurückgewonnen wird ("energy recovery linac", ERL). Es ist vorgesehen, gleichzeitig Elektron-Proton-Daten und wie bisher Proton-Proton-Daten aufzuzeichnen.^[2]

Einzelnachweise und Fußnoten [Bearbeiten]

- ↑ Bei diesem Beschleuniger, der ebenfalls mit gegenläufigen Strahlen arbeitete, wurden Elektronen auf 27,5 GeV und Protonen auf 920 GeV beschleunigt. Siehe: Max Klein, Renaissance in Sicht Das LHeC-Projekt am Cern soll die Erfolgsgeschichte der tiefinelastischen Streuung fortsetzen, Physik Journal 12 (8/9) (2013), S. 61-66
- 2. † O. Brüning, M. Klein: Preparations for a future Proton-Lepton-collider in the TeV center of mass system 🗟 abgerufen am 7. Sept 2013



WHAT IF YOU DIGIT "LHeC" ON GOOGLE ...?

Search results

For search options, see Help:Searching.

LHeC

Did you mean: Lec

Content pages Multimedia Help and Project pages Everything Advanced

Results 1-3 of 3 for LHeC

The page "LHeC" does not exist. You can ask for it to be created, but consider checking the search results below to see whether the topic is already covered.

For search help, please visit Help:Searching.





HOW TO PROMOTE THE PROJECT

- CREATE A WEBSITE
- START E-NEWSLETTER AND BLOGS
- WIKIPEDIA (EN, DE, FR, IT, NL, PL, SV..ALL MEMBER STATES + JA..)
- POST THE PROJECT ON TWITTER, FACEBOOK, PINTEREST AND OTHER SOCIAL MEDIA SITES
- SEARCH FOR AND FOLLOW OTHER TWITTER USERS WHO HAVE INTEREST IN THE SAME TOPIC AREA
- POST THE PROJECT ON THE SECTION 'PROJECTS' ON LINKEDIN
- WRITE A PRESS RELEASE AND GET IT DISTRIBUTED IN FREE PRESS RELEASE SITES AVAILABLE (E.G. GET FREE PRESS RELEASE TO SHOW UP IN GOOGLE NEWS WITH ACTIVE LINKS)
- SIGN UP FOR STUMBLEUPON AND POST YOUR PROJECT PAGE
- POST A VIDEO EXPLAINING THE PROJECT ON YOUTUBE.COM WITH A LINK TO THE PROJECT WEBSITE

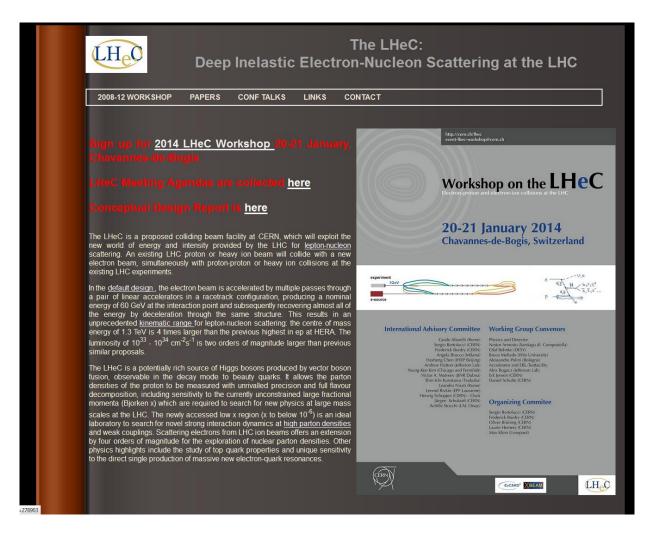


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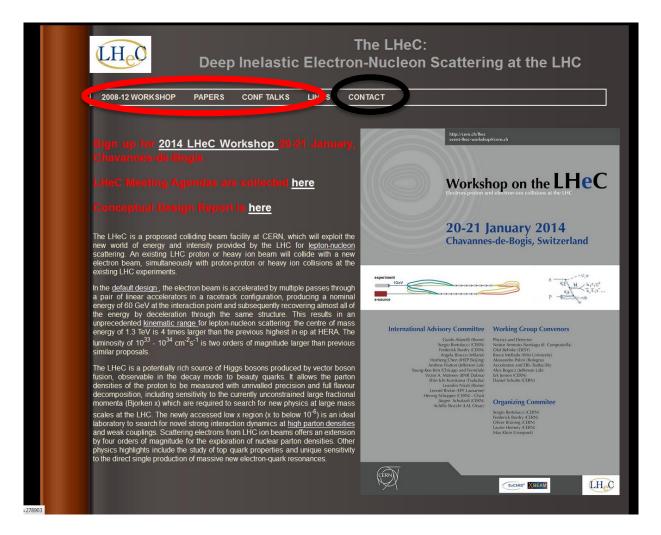
ACTUAL WEBSITE



http://www.ep.ph.bham.ac.uk/exp/LHeC/



ACTUAL THE WEBSITE



http://www.ep.ph.bham.ac.uk/exp/LHeC/



PLANNING...THE WEBSITE

Define all the technical skills:

A domain name Website hosting Website building software

Define a complete design:

Site map Provide a complete website design

Collect/organize material/information:

Publications

Past Events: conferences, workshops, meetings Images/Pictures General texts



PLANNING...THE WEBSITE

- Finalize the website layout:
 Provide a complete website design
- Start sending an invitation to all the people included in the preliminary List to visit the new website
- Invitation to sign up for the e-Newsletter



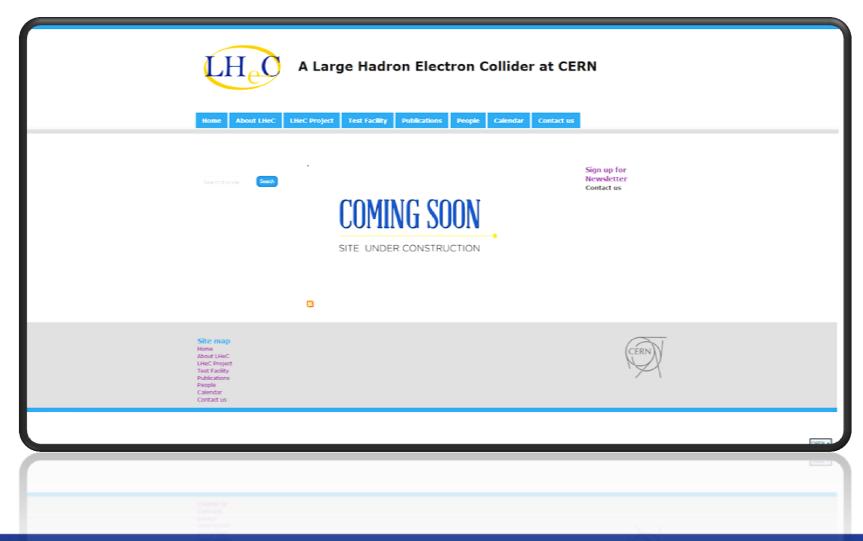
SITE LAYOUT FORMAT: CONCEPT



https://lhec.web.cern.ch/



SITE LAYOUT FORMAT: HOME PAGE





WEBSITE MAP



SITE MAP

About LHeC

History Status **LHeC Project**

Physics Accelerator Detector **Test Facility**

Program Status

Publications

Talks Notes

Papers

People

LHeC Community
Directorate and committees
International collaborations

Calendar

Events News Contact us

Registration

Sign up for Newsletter



CLASSIFICATION OF PUBLICATIONS/MEETINGS....

- Specialized workshops (LHeC workshops)
- Generic workshops
- Conferences
- Meetings
- Seminars
- Presentations/Talks
- Posters
- Proceeding
- Publications



LIST OF PRESENTATIONS

Edit	Font	Alignment	Numb	per			Format	
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E35 ‡	∷ ⊗ ⊘ (fx LHeC Facility Plans							
A	B C	D				E		
April	2005 DIS05 Madison, USA	Max Klein		Future of HERA				
April	2006 DIS06 Tsukuba, Japan	John Dainton		Inelastic Lepto	on Scattering	at the LHC		
May	2006 DESY Seminar	Max Klein		LHeC				
May	2006 DESY Seminar	Ferdinand Willeke		inosity Prospec				
June	2006 HERA-LHC (CERN)	Paul Newman		action and the L				
June	2006 HERA-LHC (CERN)	Emmanuelle Perez		ture DIS Exper	iment at the L	.HC?		
June	2006 QCD'N06 (Rome)	Paul Newman		LHeC Project				
August	2006 ICHEP'06 (Moscow)	John Dainton et al. (C: A Lepton-Pro	ton Collider v	with the LHC		
April	2007 DIS07 (Munich)	John Dainton	LHet	-				
April	2007 DIS07 (Munich)	Paul Newman		x Physics at th				
1 April	2007 DIS07 (Munich)	Emmanuelle Perez		C and Physics I				
2 April	2007 DIS07 (Munich)	Max Klein		on Distributions				
з Мау	2007 Forward Physics (Blois) 07 (DESY)	John Dainton				of hadron dynan	nics	
4 June	2007 CERN Seminar	Ferdinand Willeke		y of the Lumino				
5 June	2007 Super-LHC IOP Meeting (Liverpool)	Max Klein				/ CMS Energies		
October	2007 Fwd Physics at HERA and LHC (Antwe						ale and the LHeC	
7 November	2007 Plenary ECFA (CERN)	Max Klein		arge Hadron El	ectron Collide	er at the LHC		
December	2007 EIC Meeting (Stony Brook)	John Dainton		C Status				
9 April	2008 DIS08 (London)	Helmut Burkhardt		C Ring-Ring				
o April	2008 DIS08 (London)	Hans Braun		C Linac-Ring O				
1 April	2008 DIS08 (London)	Thomas Kluge		pects for alpha				
2 April	2008 DIS08 (London)	Alexander Zarnecki		toquarks and C		ctions at LHeC		
3 April	2008 DIS08 (London)	Jeff Forshaw		uration at the L				
4 April	2008 DIS08 (London)	Max Klein		eC Plenary Talk				
5 May	2008 EIC Meeting (Hampton, VA)	Swapan Chattopadh		rge Hadron Ele				
6 May	2008 EIC Meeting (Hampton, VA)	Ferdi Willeke				er option for the LHC	C	
7 June	2008 EPAC08	Frank Zimmermann		c + LHC ep Col				
8 October	2008 Ringberg Workshop	Paul Newman				ry of the 1st LHe		
November	2008 ICFA Seminar (Stanford)	Max Klein			ron Electron (Collider at CERI	N	
November	2008 PANIC'08	Allen Caldwell		leC Project				
November	2008 ECFA Status Report (CERN)	Max Klein				Collider at CERI		
February	2009 CERN Theory Institute	Max Klein				n Collider at the	LHC	
February	2009 CERN Theory Institute	Emmanuelle Perez		ics Opportuniti	es with the Li	HeC		
April	2009 DIS09 (Madrid)	Alessandro Polini		Detector Plans				
April	2009 DIS09 (Madrid)	Bernhard Holzer	LHet	C Facility Plans				
6 April	2009 DIS09 (Madrid)	Juan Rojo						
7 April	2009 DIS09 (Madrid)	Uta Klein						
April	2009 DIS09 (Madrid)	Olaf Behnke						
April	2009 DIS09 (Madrid)	Anna Stasto						
April	2009 DIS09 (Madrid)	Max Klein						
May	2009 PAC09 (Vancouver)	Frank Zimmermann						
2 July	2009 EDS09 (CERN)	Paul Newman						
3 July	2009 UK PPAP (Birmingham)	John Dainton						
4 July	2009 EPS09 (Krakow)	Vladimir Litvinenko						
5 October	2009 NuPECC Scoping (Frankfurt)	Max Klein						
6 November	2009 ECFA Plenary (CERN)	Max Klein						
7 April	2010 DIS10 (Florence)	Paul Laycock, Anna	Stasto					

Month

Year

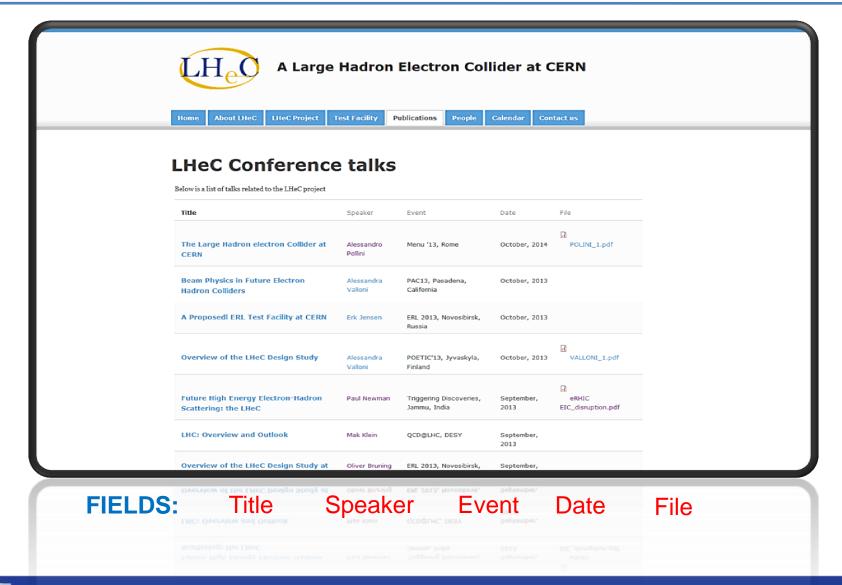
Event

Name

Title and type of contribution!



PUBLICATIONS





PEOPLE

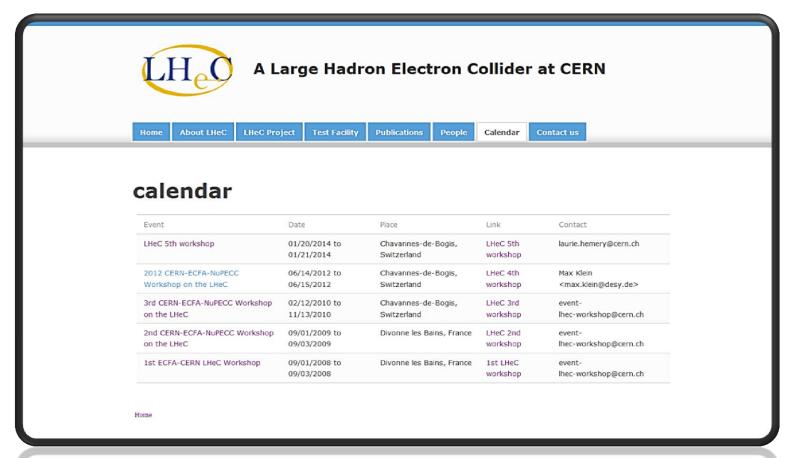


FIELDS: Name Institution Picture Role in the Contact

project



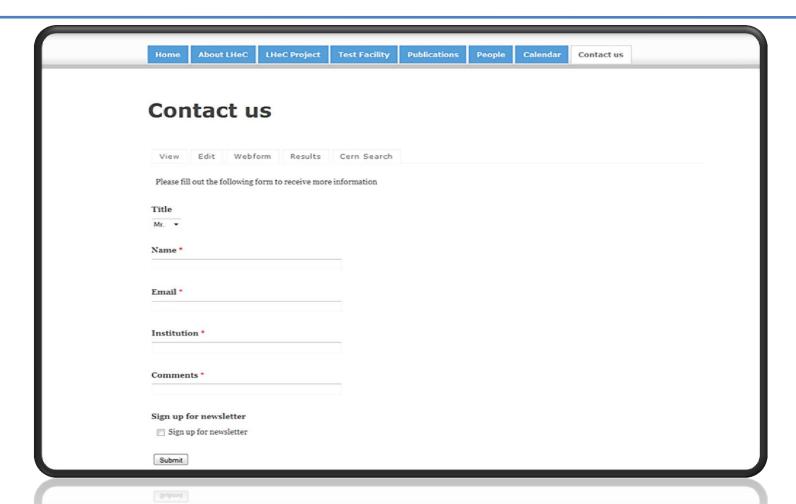
CALENDAR







CONTACT US







Email Institution Comments Sign up

for newsletter



NEWSLETTER LAYOUT FORMAT





NEWSLETTER

GOALS for higher-education e-newsletters:

- Raise awareness about the project
- Raise issue that requires action on the part of the reader or may affect public perceptions
- Increase memberships and interaction
- Increase partnerships
- Increase event registrations



NEWSLETTER: THINGS TO DO...

- Develop a Schedule: Determine a frequency
- Prepare a preliminary Subscriber List
- Create an E-Newsletter Template

Write the content:

E-Newsletter content

Sister Web site content:

Subscription page content, describing the e-newsletter and how to subscribe to it An online version of e-newsletter to archive past issues

A navigation page that allows people to access past versions of the e-newsletter

Create Feedback Mechanisms:

Create a designated e-mail address readers can use to send feedback and questions about the e-newsletter.



COMING SOON SITE UNDER CONSTRUCTION

- We need texts (LHeC history, status, about LHeC..)
- We need revisions
- We need suggestions

Thank you for your attention

