



Document information

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As foreseen in the CREMLIN work programme, this Deliverable D7.6 forms the final report on Task 7.3 within Work Package 7. In the framework of this task the “CREMLIN data management platform for lepton colliders” was created in spring 2017.

The platform consists of a web site <http://leptoncolliderplatform.web.cern.ch/> and a corresponding twiki page: <https://twiki.cern.ch/twiki/bin/view/LeptonColliderPlatform>

The Lepton Collider Platform provides infrastructure for sharing information among participants in e^+e^- collider studies. The platform serves as a collaborative tool in order to share common experiences, software applications and hardware solutions. The participating institutes of WP7, Budker institute (BINP) and CERN, are both pursuing design studies for future e^+e^- colliders (SCT, FCC-ee and CLIC). The platform can also serve the wider e^+e^- collider community.

Lepton Collider Platform

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News

New SCT brochure

Thursday, June 28, 2018



A brochure presenting Super-Charm-Tau factory was published. Topics covered include a facility structure, a general overview of experimental program, technologies.

SCT brochure

High-gradient X-band technology: from TeV colliders to light sources and more

Saturday, April 14, 2018

The role of high-gradient and X-band technology is expanding steadily, with applications at a surprisingly wide range of scales. The April 2018 issue of the CERN Courier features an article on X-band technology: "High-gradient X-band technology: from TeV colliders to light sources and more" by Walter Wuench (CERN).

The article showcase how the demanding and creative environment of fundamental science serve as a fertile breeding ground for new technologies, in particular how technologies developed for CLIC show promise for smaller accelerators for applications outside high-energy physics. Several different XFEL applications are discussed: compact linacs and advanced diagnostics for photon sources (XFEL and Compton), medical applications (proton acceleration and very high energy electron therapy), and linacs to test advanced acceleration techniques.



A Grudiev

Overview article on CLIC published in Europhysics News

Thursday, March 8, 2018

Cremlin Connecting
Accelerator and Computing Resources
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TWiki collaborate with

Since its creation the website has evolved to include a newsfeed. In addition, more technical information is added on a continuous basis to the twiki pages for the three facilities CLIC, FCC-ee and SCT.

The platform has proven to be particularly useful in the domain of software documentation related to physics and detector studies for the three facilities under study.