

Welcome to the new Particle Accelerator Reliability Site!

<http://www.accelerator-reliability.org>

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[WAO](#) [ARW](#)

Workshops


There are two main workshops dedicated to the reliability of particle accelerator operation:



[WAO: Workshop on Accelerator Operation](#) [ARW: Accelerator Reliability Workshop](#)

Rich documentation on numerous subjects such as theory, equipment reliability, risks, analysis, etc.

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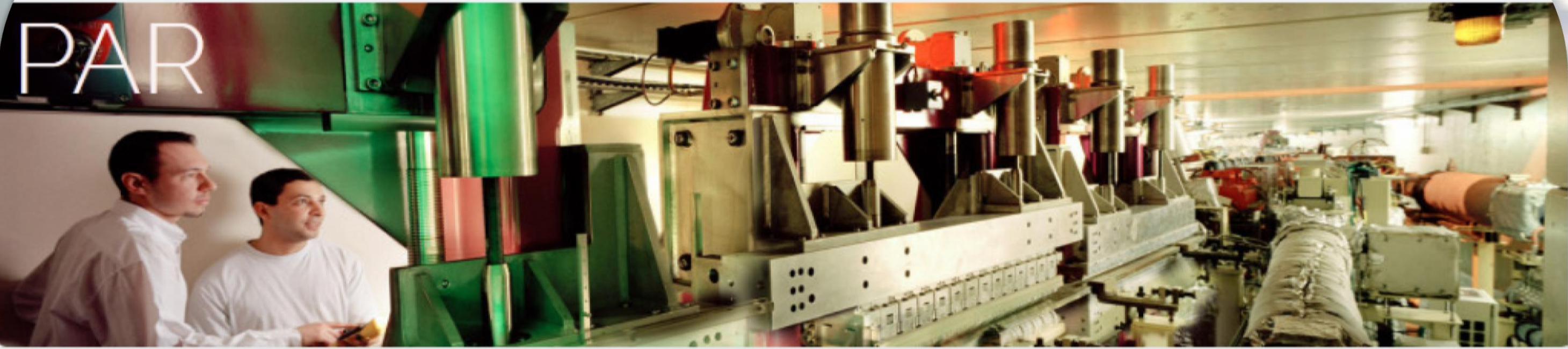
Forum

The Particle Accelerator Reliability Forum is a place to discuss all aspects of accelerator operation, including general accelerator reliability theories, specific equipment reliability issues, conferences and workshops, etc.

It can be found here:
<http://reliability-forumotion.com/>

Information: The Accelerator Reliability Forum
A high reliability is a very important goal for particle accelerators. The Particle Accelerator Reliability Workshop covers topics related to the design and operation of particle accelerators with a high reliability. In order to optimize the over-all reliability of an accelerator one needs to gather information on the reliability of many different subsystems. While a biennial workshop can serve as a platform for the exchange of such information, the authors aimed to provide a larger channel to allow for a more timely communication. The Particle Accelerator Reliability Forum is a forum where the authors will describe their work and advertise its usage in the community. The Accelerator Reliability Forum.pdf

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[Theory](#) [Equipment](#) [Risk management & analysis](#) [Links](#)

Documentation

An archive of texts, papers, articles and theses related to particle accelerator reliability, organised into the following categories:



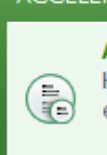

Theory
Texts covering theories of reliability, models, statistics, software and practical applications.

Equipment
Case studies of reliability on specific equipment, eg. power supplies, electronics, etc.

Analysis
Risk analysis case studies of specific facilities such as the LHC, ITER, etc.

Links
Other web pages or sites of interest.

Questions and ideas to exchange with other professionals? Come and share on the website's forum!

THIS FORUM !	TOPICS	POSTS	LAST POSTS
 THIS FORUM ! Please bring here all your usage questions and your suggestions to improve this forum.	5	19	Wed Jun 11, 2014 6:39 am Peter G.
CONFERENCES / WORKSHOPS	TOPICS	POSTS	LAST POSTS
 CONFERENCES / WORKSHOPS Link to present, previous and future workshops. POST here your SUGGESTIONS for future workshops.	11	14	Fri May 23, 2014 9:32 am AndreasLuedicke G.
ACCELERATOR RELIABILITY	TOPICS	POSTS	LAST POSTS
 ACCELERATOR RELIABILITY Here you should post topics that either are related to the whole accelerator or to reliability theory (failures predictions, statistical methods, etc)	8	15	Fri Jun 13, 2014 3:44 pm hardy G.
SPECIFIC ACCELERATOR EQUIPMENT RELIABILITY	TOPICS	POSTS	LAST POSTS
 SPECIFIC ACCELERATOR EQUIPMENT RELIABILITY Here you post topics that deal with the reliability of certain subsystems of an accelerator. The range goes from reliability of water pumps to control system reliability.	5	7	Mon Jun 30, 2014 2:12 pm AndreasLuedicke G.

Today's active topics • Today's top 20 posters • Overall top 20 posters

WHO IS ONLINE?
In total there are 2 users online (1: 0 Registered, 0 Hidden and 2 Guests)
Most users ever online was 108 on Thu Dec 19, 2013 2:23 am

Registered Users: None


No users have a birthday today
No users are having a birthday in the upcoming 7 days

Delete the forum cookies

A simple and rapid way to learn about particle accelerators all over the world.


Accelerator facilities

The different categories of particle accelerator are listed below. Click on a link to take you through to all facilities of each category.




Stanford Linear Accelerator

Colliding beams
All types of accelerators that are used to create the interaction of two particle beams for physics.




Jefferson Lab

Electron beams
Accelerators like stretcher rings or continuous electron beam facilities, where the electrons are used for science.



ISIS, RAL, Oxfordshire

Proton and ion beams
This includes sources of secondary beams such as neutron sources, myon beams or rare isotope production.



Synchrotron radiation

Synchrotron radiation
All types of synchrotron radiation sources such as third generation storage ring light sources, Linac-driven free electron lasers or other fourth generation light sources.