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50 Recent Changes in ABPComputing Web

WebStatistics

r786 - 2020-04-03 - 01:29 TWikiAdminUser

Statistics for ABPComputing Web Month: Topic views: Topic saves: File uploads: Most popular topic views: Top contributors for topic...
AFSMacOs
r3 - 2020-04-01 - 14:42 FrederikVanDerVeken

Mounting AFS on macOS Mounting AFS on macOS can be a bit messy and is very poorly supported. In general it is preferred to access AFS via LxPlus and move your files...
GPUserver
r2 - 2020-02-25 - 15:02 GiovanniRumolo

GPU server A GPU machine is currently installed in the CERN network under the name pcbe16813.cern.ch and can be used for studies. The server has: CPU 2x Intel...
Placet
r5 - 2020-02-14 - 10:30 AndreaLatina

PLACET Short description PLACET (Program for Linear Accelerator Correction and Efficiency Tests) is a code that simulates the dynamics of a beam in the main accelerating...
LxBatch
r10 - 2020-02-07 - 10:32 XavierBuffat

Linux Batch Service Short description ABP users can launch computing jobs on the linux batch service. To do so, you need to request `LXPLUS and Linux` service for...
SIRE
r5 - 2020-01-21 - 11:03 ParthenaStefaniaPapadopoulou

SIRE (Software for IBS and Radiation Effects) Short description The SIRE was inspired by MOCAC (MOnte CArlo Code). After specifying the beam distribution and the...
PySSD
r2 - 2020-01-10 - 13:23 XavierBuffat

PySSD (Python Solver for Stability Diagrams) Short description Numerical solver for stability diagrams based on the beam distribution and the amplitude detuning from...
COMBI
r3 - 2019-10-25 - 16:02 XavierBuffat

COMBI (COherent Multibunch Beam beam Interactions) Short description COMBI stands for COherent Multibunch Beam beam Interaction. The code simulates interactions of...
Guinea-Pig
r7 - 2019-09-09 - 16:58 AndreaLatina

GUINEA PIG Short description GUINEA PIG (Generator of Unwanted Interactions for Numerical Experiment Analysis Program Interfaced to GEANT) simulates the beam beam...
LxbatchHTCondor
r17 - 2019-06-26 - 16:56 RiccardoDeMaria

HTCondor batch system General infos Information can be found at: guide provided by CERN IT in managing jobs Spool Option The spool option can be used...
CNAFcluster

r6 - 2019-04-16 - 08:43 GiovanniRumolo

An HPC cluster dedicated to CERN studies is now available at INFN CNAF (Bologna, Italy). Basic info: The cluster presently consists of 12 nodes equipped with...
HpcCERN
r5 - 2019-04-04 - 15:05 GiovanniIadarola

CERN HPC cluster Since end 2017, two new HPC clusters have been setup here at CERN by the IT department for users of MPI applications. Two new clusters, each composed...
ComputingResources
r7 - 2019-04-04 - 14:57 GiovanniIadarola

Computing resources Name Description Availability CERN Batch Service Linux batch service at CERN CERN users CNAF cluster HPC cluster On...
DELPHI
r4 - 2019-03-08 - 11:27 DavidAmorim

DELPHI Short description DELPHI (Discrete Expansion over Laguerre Polynomials and HeadtaII modes) allows to evaluate the transverse beam stability wrt. the machine...
ImpedanceWake2D
r3 - 2019-03-08 - 11:26 DavidAmorim

ImpedanceWake2D Short description ImpedanceWake2D (IW2D) compute the resistive wall impedance and/or the wake functions for multilayered flat, cylindrical or elliptical...
PyHEADTAIL
r3 - 2019-02-13 - 17:40 AdrianOeftiger

PyHEADTAIL Short description Python macroparticle simulation code library for modeling collective effects beam dynamics in circular accelerators. Web resources...
RecommendationsAndUsefulInformation
r15 - 2018-11-01 - 08:28 GiovanniRumolo

Recommendations and useful information Usage of the CERN batch service (lxbatch) with HTCondor Usage of the CERN batch service (lxbatch) with LSF (being...
TrainWikiPage
r6 - 2018-09-27 - 13:33 AriadnaRibesMetidieri

XavierBuffat 2018 06 13 AriadnaRibesMetidieri 2018 06 14 AriadnaRibesMetidieri 2018 09 27 TRAIN Introduction TRAIN solves a multivariate, self consistent...
TRAIN
r5 - 2018-06-13 - 15:10 XavierBuffat

TRAIN Short description In part of the straight sections of the LHC the two beams share a common beam tube. Therefore the bunches cross each other not only at the...
AdditionalPyparis
r2 - 2018-06-08 - 12:34 LucaSabato

Ciao Ciao
PyPARIS
r3 - 2018-06-08 - 12:32 GiovanniIadarola

PyPARIS Short description The Python Parallel Ring Simulator (PyPARIS) is a python tool which allows to perform intensive computing tasks using a set of CPUs logically...
BimBim

r2 - 2018-04-13 - 15:08 XavierBuffat

BimBim (Beam Beam and IMpedance) Short description Semi analytical derivation of the coherent modes of oscillation based on the derivation and diagonalisation of...
Hpcpilot
r5 - 2018-04-04 - 11:12 GiovanniRumolo

CERN HPC pilot cluster A pilot HPC cluster has been setup here at CERN by the IT department for users of MPI applications. Access is restricted to approved HPC users...
AFSDebian
r7 - 2018-01-19 - 16:32 VeronicaOlsen

Configuration of AFS client for access to cern.ch on Ubuntu/Debian Tested on Debian Stretch Install Packages $ sudo apt install openafs client openafs modules dkms...
Software
r40 - 2017-10-13 - 10:01 XavierBuffat

Beam physics software tools In this page, the list of all the software tools developed with BE ABP or widely used for BE ABP studies is provided. To fill in their...
LcgDistUsage
NEW - 2017-05-04 - 10:31 XavierBuffat

Usage of the LCG distributions PH SFT provides stable and tested release of several softwares used within ABP. The binaries can be accessed through cvmfs : Stable...
PythonTN
r3 - 2017-04-18 - 09:15 XavierBuffat

Proposal for a common Python installation in the TN machines We ask to have two installations for Python 2 and Python 3. If only one can be supported we propose Python...
EOSInfo
NEW - 2017-03-30 - 11:16 RiccardoDeMaria

EOS Information page EOS machine wide mount EOS software from YUM repository, within CERN: add a file /etc/yum.repos.d/eos6 stable.repo (for SLC6, for CC7 correspondingly...
DataResources
r3 - 2017-03-30 - 10:59 RiccardoDeMaria

Machine Data Resources Long term LHC data storage Python Installation in the Technical Network EOS filesystem notes RiccardoDeMaria 2016 05 10
WebHome
r30 - 2017-03-28 - 16:05 RiccardoDeMaria

Accelerator and Beam Physics Computing Working Group (ABP CWG) The main goals of the ABP Computing Working Group (ABP CWG) are to: Create a common...
PHOTON
r2 - 2017-01-04 - 21:16 FrankZimmermann

SoftwareName PHOTON Short description The PHOTON program performs a Monte Carlo simulation of photon flux on the vacuum chamber wall around a storage ring or...
MOSES
r2 - 2016-12-13 - 18:06 BenoitSalvant

MOSES Short description MOSES (MOde coupling Single bunch instabilities in an Electron Storage ring) is a program, which computes complex coherent betatron tune shifts...

ABCI
r2 - 2016-12-13 - 17:59 BenoitSalvant

ABCI Short description ABCI (Azimuthal Beam Cavity Interaction) is a code used for impedance and wakefield calculations created and maintained by Yong Ho Chin (KEK...

LHCOnlineModel
r2 - 2016-12-01 - 19:41 PiotrKrzysztofSkowronski

LHCOnlineModel Short description The beam based model, aka online model, extends the (ideal) LHC accelerator model by including measured parameters of the machine...

RF-Track
r3 - 2016-12-01 - 14:13 AndreaLatina

RF Track Short description RF Track is a novel tracking code developed for the optimization of low energy linacs in presence of space charge effects. RF Track can...

IBSimu
r3 - 2016-12-01 - 11:41 GiovanniIadarola

IBSimu Short description Ion Beam Simulator or IBSimu is an ion optical computer simulation package for ion optics, plasma extraction and space charge dominated ion...

GdFiDl
r3 - 2016-12-01 - 11:33 GiovanniIadarola

GdFiDl Short description Commercial 3D electromagnetic solver for wakefield and impedance. Web resources Link web resources available for your software. For example...

CSTParticleStudio
r3 - 2016-12-01 - 11:32 GiovanniIadarola

CST Particle Studio Short description 3D electromagnetic simulations with and without exciting source beam (wakefield solver, eigenmode solver, time domain solver...

ACE3P
r2 - 2016-11-25 - 21:01 KyrreSjobak

ACE3P Short description ACE3P is a complete package for electrodynamics simulations in accelerator components, including eigenmode (Omega3P), S parameters (S3P),...

HFSS
r5 - 2016-11-25 - 14:09 SergeyArsenyev

Ansys HFSS Short description ANSYS Electronics Desktop (formerly known as HFSS) solves Maxwell`s equations in RF / microwave structures with the absence of a particle...

ONIX
r2 - 2016-11-09 - 16:53 StefanoMattei

ONIX Short description ONIX (Orsay Negative Ion eXtraction) is a 3D particle in cell Monte Carlo Collision electrostatic code to simulate the particle transport in...

Ninja
r3 - 2016-11-09 - 16:53 StefanoMattei

NINJA Short description NINJA is a 2.5 D Implicit Particle In Cell Monte Carlo Collision code for the simulation of inductively coupled plasmas. The model includes...

LhcDataStorage
r24 - 2016-10-24 - 23:01 RiccardoDeMaria

LHC Data sources LHC machine data is normally available through: the Accelerator Logging Service that can

be queried with the application (provided Java 1.8 and...
Fastion
r2 - 2016-10-19 - 11:56 LottaMether

FASTION Short description FASTION is a 2D macro particle simulation code for modelling the fast beam ion instability in electron machines. Web resources Source...
PyORBIT
NEW - 2016-10-19 - 10:20 HannesBartosik

PyORBIT Short description PyORBIT is a Python/C implementation of the ORBIT (Objective Ring Beam Injection and Tracking) code. PyORBIT software is an open environment...
SixTrackAndCollimation
r2 - 2016-10-18 - 08:44 AlessioMereghetti

SixTrack for Collimation Studies Short description This is a specific version of the SixTrack code, dedicated to cleaning studies. With respect to the standard code...
PyOptics
r3 - 2016-10-17 - 11:30 GiovanniIadarola

PyOptics Short description Python library to read common optics data files (TFS tables, madx input, SDDS binary files, Yasp) and perform optics analysis (plots,...
PageStore
r2 - 2016-10-17 - 11:28 RiccardoDeMaria

PageStore Short description Library to store massive timeseries data on commodity file system. Web resources Source code: GitHub Pages Technical information...
PyTimber
r2 - 2016-10-17 - 11:25 RiccardoDeMaria

PyTimber Short description Python Wrapper to CERN Logging Java API (CALS) to extract machine data (LHC, SPS, ...) from the CERN Logging service. Web resources...
MapClass
r2 - 2016-10-14 - 17:29 RogelioTomas

MapClass Short description MapClass and its successor MapClass2 are two codes written in Python and C conceived to optimize the non linear aberrations in beam lines...
Number of topics: 50

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Related topics: RSS feed, ATOM feed, WebNotify, site changes, site map

This topic: ABPComputing > WebChanges
Topic revision: r1 - 2006-11-15 - TWikiContributor