

Nersc3

The Gauge Connection @ 1 x

qcd.nersc.gov

The Gauge Connection

NERSC

Home /

Search Search Clear Search Examples

Files 47645	Size 26.0 TB	Users 8	Bookmarks 4	Downloads 161
----------------	-----------------	------------	----------------	------------------

USQCD 33%	ILDG-USQCD 11%	ILDG-LDG 55%
--------------	-------------------	-----------------

Local data

ILDG data

Home /

Search Search Clear Search Examples

Examples

domain domain:unknown group group:unknown collaboration collaboration:unknown spacing spacing:unknown beta
beta:unknown volume volume:unknown source source:unknown length length:unknown mass mass:unknown action
action:unknown kappa kappa:unknown flavor flavor:unknown volume is 12^3x12 and domain is usqcd

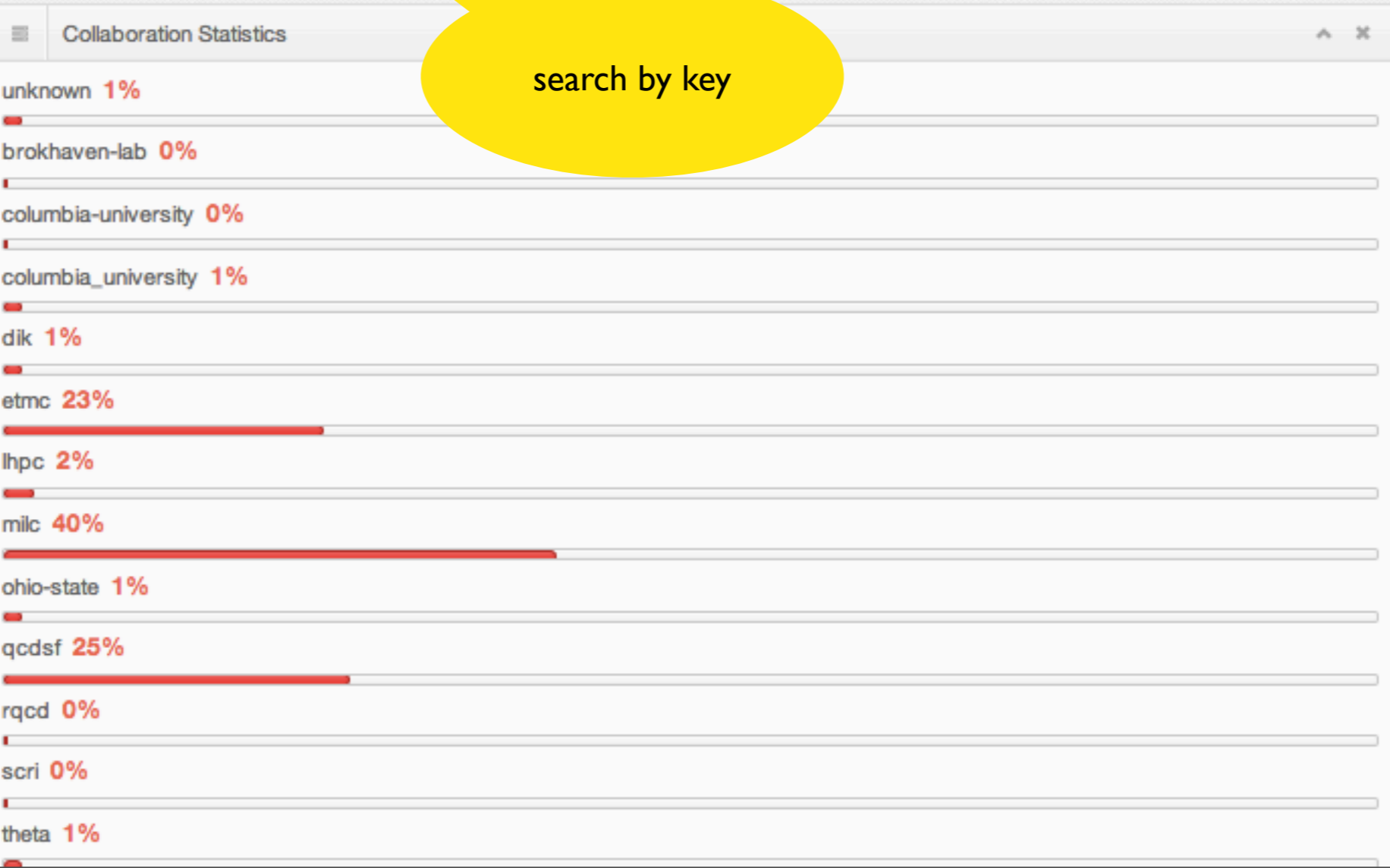
key, key:value



- Search
- Volumes
- Spacing
- Action
- Collaboration
- Domains
- Gallery
- Instructions
- Globus Online
- Bookmarks
- Manage
- Sign In

Home / This Search /

Search Search Clear Search Examples



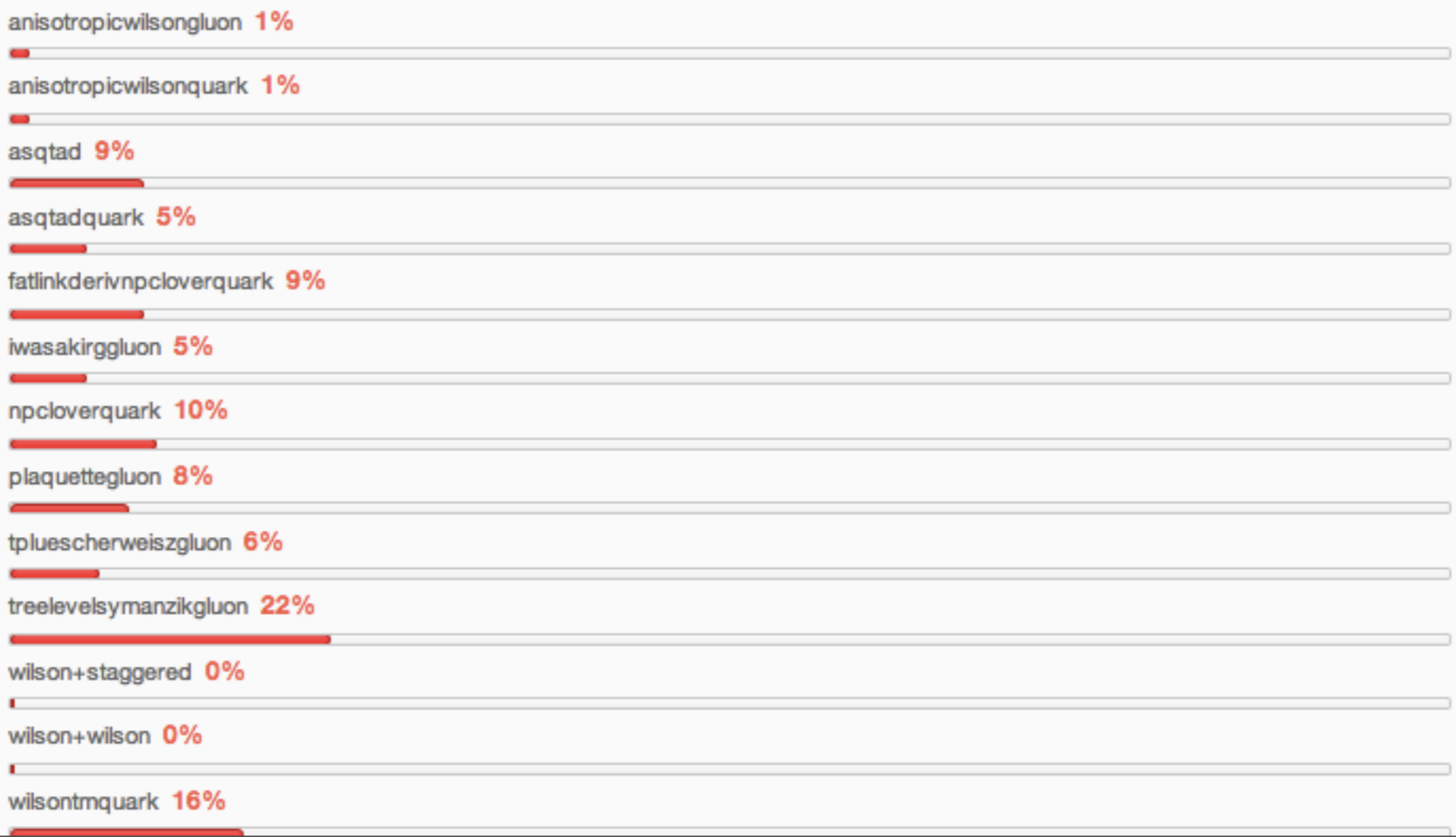


- Search
- Volumes
- Spacing
- Action**
- Collaboration
- Domains
- Gallery
- Instructions
- Globus Online
- Bookmarks
- Manage
- Sign Out

Home / This Search /

Search Search Clear Search Examples

Action Statistics





- Search
- Volumes
- Spacing
- Action
- Collaboration
- Domains
- Gallery
- Instructions
- Globus Online
- Bookmarks
- Manage
- Sign In

Home / This Search /

Search Search Clear Search Examples

search by key:value

configs/MILC/1212f0b800

volume:12^3x12 flavor:0 beta:8.0 collaboration:milc action:unknown

More Info & Files Edit Metadata

configs/MILC/1241

collaboration:milc ensemble group:su(3) domain:usqcd action:unknown volume:12^3x4 beta:5.25

Geometry: 12 x 12 x 12 x 4

Action: Beta=5.25 Staggered Dynamical Nf=2 m=0.008 R algorithm

Number of configurations: 42

Authors: The MILC Collaboration

Classic one-plaquette Wilson action, with dynamical staggered fermions.

Original References

More Info & Files Edit Metadata

configs/MILC/1242

collaboration:milc ensemble group:su(3) domain:usqcd action:unknown volume:12^3x4 beta:5.255

Geometry: 12 x 12 x 12 x 4

Action: Beta=5.255 Staggered Dynamical Nf=2 m=0.008 R algorithm

Number of configurations: 50

Authors: The MILC Collaboration

The Gauge Connection

127.0.0.1:8000/nersc3/default/root/configs/MILC/1241

NERSC

Home / configs / MILC / 1241 /

configs/MILC/1241

collaboration:milc ensemble group:su(3) domain:usqcd action:unknown volume:12^3x4 beta:5.25

Geometry: 12 x 12 x 12 x 4
 Action: Beta=5.25 Staggered Dynamical Nf=2 m=0.008 R algorithm
 Number of configurations: 42
 Authors: The MILC Collaboration
 Classic one-plaquette Wilson action, with dynamical staggered fermions.

Original References
 Edit

u_MILC_1241.nnnnn (42 files)

Download Link Download/Convert Instructions Copy via GlobusOnline

Filename	Date	Size	Download
configs/MILC/1241/u_MILC_1241.0200	2004-12-16	1.0 MB	Download
configs/MILC/1241/u_MILC_1241.0250	2004-12-16	1.0 MB	Download
configs/MILC/1241/u_MILC_1241.0300	2004-12-16	1.0 MB	Download
configs/MILC/1241/u_MILC_1241.0350	2004-12-16	1.0 MB	Download

search by ensemble

key:value tags



- Search
- Volumes
- Spacing
- Action
- Collaboration
- Domains
- Gallery
- Instructions
- Globus Online
- Bookmarks
- Manage
- Sign In

You can try edit but not save, only admin can!

Home / configs / MILC / 1241 / Edit

Id: 11
Root Id: 9
Xpath: configs/MILC/1241
Description:

edit metadata

```
Geometry: 12 x 12 x 12 x 4
Action: Beta=5.25 Staggered Dynamical Nf=2 m=0.008 R algorithm
Number of configurations: 42
Authors: The MILC Collaboration
Classic one-plaquette Wilson action, with dynamical staggered fermions.
## Original References
```

Tags: collaboration:milc x ensemble x group:su(3) x domain:usqcd x action:unknown x volume:12^3x4 x beta:5.25 x add a tag



- Search
- Volumes
- Spacing
- Action
- Collaboration
- Domains
- Gallery
- Instructions
- Globus Online
- Bookmarks
- Manage
- Sign In

Home / ILDG / ldg-ldg-etmc-tmqucd_nf2-tiSym_b3-9_L24T48_k0-1609_mu0-0075 /

ILDG/ldg-ldg-etmc-tmqucd_nf2-tiSym_b3-9_L24T48_k0-1609_mu0-0075

domain:ildg-ldg ensemble collaboration:etmc action:treelevelSymanzikgluon group:su(3) beta:3.9 action:wilsontmquark volume:24^3x48

Warning! This folder is hosted remotely on ILDG and may not be available.

- <http://www.lqcd.org/ildg/actionGlossaries/treelevelSymanzikGluonAction.pdf>
- <http://www.lqcd.org/ildg/actionGlossaries/wilsonTmQuarkAction.pdf>
- <http://www-zeuthen.desy.de/latfor/ldg/algorithmGlossaries/mtHMC.pdf>

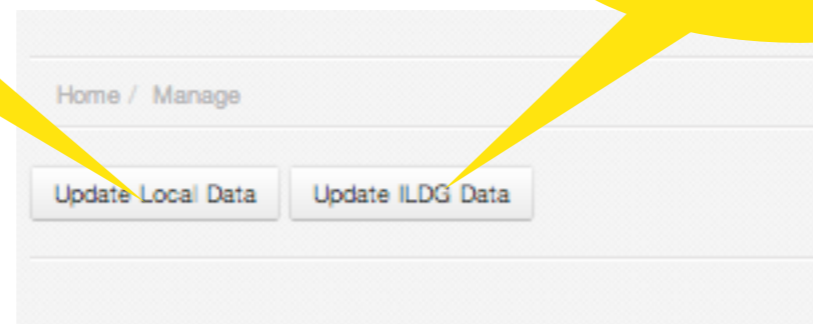


ILDG Link Edit

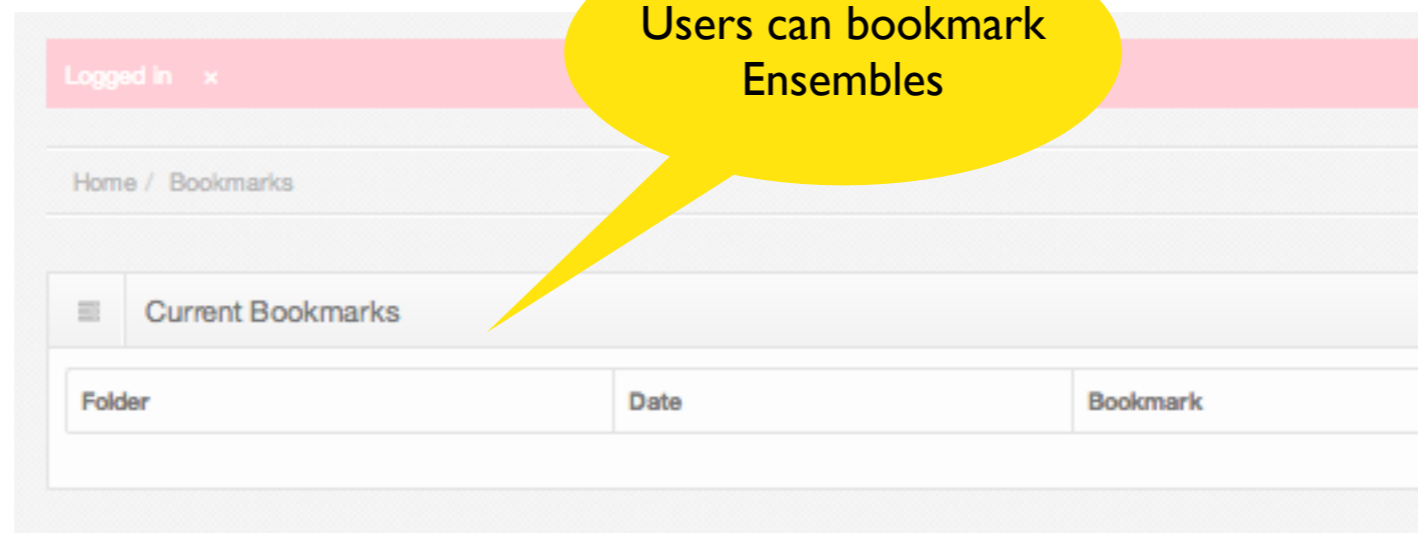
XPath	Value
files	280
markovChain/markovChainURI	mc://ldg/etmc/tmqucd_nf2/tiSym_b3.9_L24T48_k0.1609_mu0.0075
management/physics/action/gluon/quark/wilsonTmQuarkAction/glossary	http://www.lqcd.org/ildg/actionGlossaries/wilsonTmQuarkAction.pdf
management/physics/action/gluon/treelevelSymanzikGluonAction/gluonField/boundaryCondition/elem	['periodic', 'periodic', 'periodic', 'periodic']
management/physics/action/gluon/treelevelSymanzikGluonAction/gluonField/boundaryCondition/representation	fundamental
management/physics/action/gluon/treelevelSymanzikGluonAction/gluonField/glossary	http://www.lqcd.org/ildg/actionGlossaries/treelevelSymanzikGluonAction.pdf
management/physics/action/size/elem/T	48
management/physics/action/size/elem/X	24
management/physics/action/size/elem/Y	24
management/physics/action/size/elem/Z	24
management/physics/algorithm/glossary	http://www-zeuthen.desy.de/latfor/ldg/algorithmGlossaries/mtHMC.pdf
management/projectName	tmqucd_nf2

Update from NERSC
HPSS

connect to ILDG
servers and update



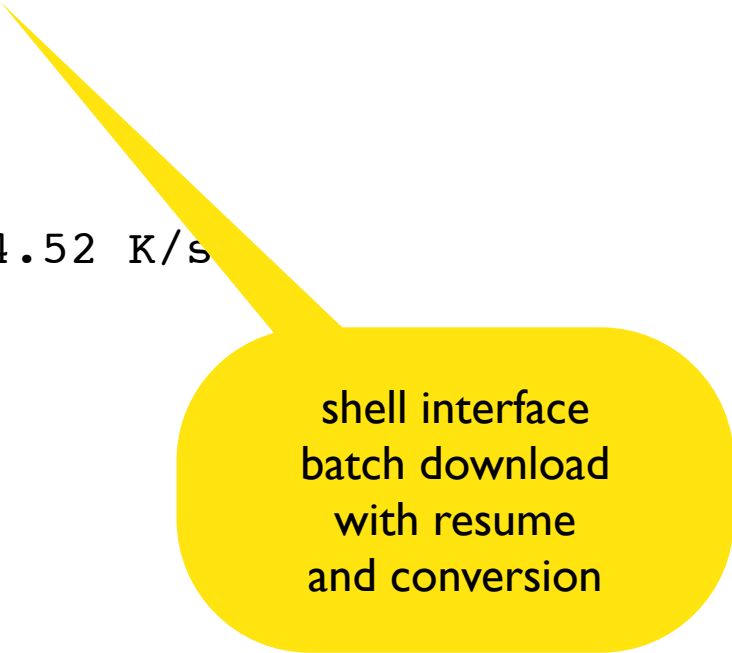
Users can bookmark
Ensembles



```
$ qcdutils.py http://qcd.nersc.gov/nersc/api/files/demo
http://qcd.nersc.org/nersc/api/files/demo
target folder: demo
total files to download: 1
downloading demo.nersc
demo.nersc 100% |#####| Time: 00:00:00 654.52 K/s
completed download: 1/1
```

```
$ qcdutils.py --covert ildg --float demo/demo.nersc
converting: demo/demo.nersc -> demo/demo.nersc.ildg
(precision: f, size: 4x8x8x8)
100% |#####|
```

```
$ qcdutils.py demo/qcdutils.catalog.db
demo.nersc created on 2011-06-17T13:42:30.876812
[14e7cf9106bfcc16388aeac285ccd9]
demo.nersc.ildg created on 2011-06-17T13:42:34.424604
[5a1ae13ddd5cab7ddfe1b17454822ff5]
```



shell interface
batch download
with resume
and conversion