

# MarlinTPC status report

Recent activities

Ch. Rosemann

DESY FLC

13. September 2012

WP meeting # 158

- Still alive, recent release *v00-10*
- Still active, ongoing work on:
  - Basic reconstruction for pixelized and pad based data
  - Track reconstruction
  - Conditions objects
  - Test beam tools (low level analysis, converters, event display)
- (slow) Extension of documentation:
  - Minimal installation of ilcSoft framework for MarlinTPC usage
  - Grid data, including how to
- Soon: restart of meeting activities

# Minimal installation of ilcSoft

- Common/frequent problem: how to install ilcsoft?
- Full install not needed/useful for usage of MarlinTPC
- Support difficult from core ilcsoft team
- Now: look at the MarlinTPC wiki (url below) and try it
- Provision of config files for *official installation tool*
- Still has some requirements:  
MySQL, java, build tools and python
- Ask for help via the usual channels: mailing list, forum
- Still: No size will fit all!

URL:

<https://znwiki3.ifh.de/MarlinTPC/HowToInstallMinimalILCSoft>

- Started list of available data on grid
- Reminder: minimum is LCIO converted data (plus RAW data)
- Welcome addition: channel mapping and geometry description  
**the technical how** is still to be decided/organized
- Request 1:
  - Please take a look at the current list:  
<https://znwiki3.ifh.de/MarlinTPC/CentralTestbeamDataPage>
  - Is something wrong/missing?
  - Please notice the excessive usage of red
- Request 2: help the documentation with your site-specifics:  
<https://znwiki3.ifh.de/MarlinTPC/BasicGridInfo>
- Request 3:  
Change the red fields to green ones: copy the data
- The how to url:

[https:](https://znwiki3.ifh.de/MarlinTPC/HowToReadAndWriteDataFromGrid)

[//znwiki3.ifh.de/MarlinTPC/HowToReadAndWriteDataFromGrid](https://znwiki3.ifh.de/MarlinTPC/HowToReadAndWriteDataFromGrid)

## List of test beams and data availability

The list of test beams and data availability on the grid storage. [Status: August 2012]

year	month	description/comments	electronics	LCIO available	RAW available
<b>2008</b>	Nov-Dec	Micromegas	T2K	NO	YES
<b>2009</b>	Feb-Apr	3 Asian GEM	ALTRO	NO	NO
2009	Apr	Asian GEM	TDC	lost?	lost?
2009	May-Jun	Micromegas	T2K	YES	YES
2009	Jun	GEM	Timepix	NO	NO
2009	Jul	Asian GEM	TDC	NO	YES
2009	Aug	Micromegas with laser calibration	?	YES	YES
2009	Sep	Bonn GEM	ALTRO	NO	YES
2009	Nov-Dec	Micromegas with Sitr	T2K & EUDAQ	YES	YES
<b>2010</b>	Mar	Micromegas	T2K	NO	NO
2010	Mar	3 Asian GEM	ALTRO	NO	NO
2010	Sep	3 Asian GEM	ALTRO	NO	YES
2010	Dec	Octopuce (8 Ingrids)	?	NO	NO
<b>2011</b>	Apr	DESY GridGEM (B=0T)	ALTRO	NO	NO
2011	Jun/Jul	DESY GridGEM	ALTRO	YES	YES
<b>2012</b>	Jul	7 Micromegas	int. AFTER	NO	NO
2012	Sep(?)	Scheduled DESY GridGEM	ALTRO		

To see how the list was created, please check the page [HowToReadAndWriteDataFromGrid](#).

- If you need a minimal installation, you can check the MarlinTPC wiki
- Please check if data from **your** test beam is already available
  - Either directly (as described in the MarlinTPC wiki) or
  - in the MarlinTPC wiki and
  - if it's not there – please copy it (the how to is in the wiki)
- More documentation to come.
- Remember the Wiki!?:  
<https://znwiki3.ifh.de/MarlinTPC/MarlinTPC>