

KM3 Experiment “in the net”

Web Site and Wiki Pages

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KM3 Collaboration Meeting
Catania, December 7 2012

Outline

- “Public” (or “External”) side: **KM3 Web Site**
 - for the general public
 - for people outside the Collaboration
 - for an introduction to the activities of the Collaboration
 - for the official results/papers/plots
- “Internal” side: **KM3 Wiki Pages**
 - for KM3 Collaborators
 - for an easy update of the material
 - for technical/preliminary information/results
 - for reporting/keep track of “work-in-progress” activities



WORK IN PROGRESS

KM3 Web Site

<http://www.roma1.infn.it/km3/>

hosted in the roma1 server (**AFS**)

to be replaced/integrated with a **new logo** for the “KM3 Experiment”?

add “flags”, i.e. **translation in English** (once that the content is “final”)

list of content of the web site (preliminary – to be discussed)

The Collaboration: here **external links** to **local web pages** can be included

Internal Pages: quick shortcut to the “important stuff” for the Collaborators!

Benvenuti nella Home Page dell'Esperimento KM3

L'esperimento KM3 rappresenta la prosecuzione dall'esperienza di **NEMO** (NEutrino Mediterranean Observatory), un programma di ricerca e sviluppo, attivo dal 1997, finanziato dall'INFN e finalizzato alla realizzazione di un telescopio Cherenkov sottomarino, dal volume di un chilometro cubo, per la rivelazione di neutrini di alta energia. Le principali attività che sono state portate avanti dalla Collaborazione NEMO sono: selezione del sito sottomarino, meccanica, elettronica, simulazione delle prestazioni del rivelatore.

Il sito prescelto dalla Collaborazione per la costruzione del telescopio si trova a ~100km a largo di **Capo Passero**, (Sicilia), a ~3500m di profondità. Attualmente nella messa in opera di un prototipo di rivelatore NE...

NEMO partecipa al Consorzio Europeo **KM3Net**, che è al centro del campo della neutrino-astronomia con apparati sottomarini. Lo scopo del Consorzio KM3Net è la definizione del progetto e la realizzazione di un rivelatore Cherenkov per neutrini di alta energia nel Mediterraneo, con un volume dell'ordine di 1 km³.

- Neutrino-Astronomia con Telescopi Sottomarini
- NEMO: verso il km³
- La Collaborazione KM3
- Links
- Internal Pages (protected)

INFN
Istituto Nazionale di Fisica Nucleare

Web: *Giulia De Bonis*
Ultima modifica: 4/12/2012

Your contribution is welcome!
(comments/feedback/material)

KM3 Collaboration



La Collaborazione KM3



--- pagina in costruzione ---

 [KM3@Roma](#)





LINKS to External
Web pages

Ultima modifica: 30/10/2012



→ Internal Pages (protected)

Internal Pages

.htaccess

username: nemo

password: capopassero



KM3 Internal Pages

- **KM3 Wiki Pages** (*INFN Identity Check requested. Login via INFN-AAI or X.509 Certificate*)
- **KM3 eLog**
- **KM3 Mailing Lists**
- **KM3 Indico**



Contatti/Segnalazioni: *Giulia De Bonis*
Ultima modifica: 6/12/2012



• KM3 Indico



Integrated Digital Conference

Home Create event Help

Home >> Esperimenti >> NEMO-KM3NeT

NEMO-KM3NeT

Managers: Riccobene, G.; Piattelli, P.

Collaboration Meetings 4 events

Institute Board Meetings 5 events

Technical Board Meetings 12 events

Technical Meetings 2 events

Revisione 3 events

Other 3 events

• KM3 Mailing Lists



INFN Mailing lists service

Crea una lista |elenco delle liste | Home | Aiuto

Cerca nella lista

km3-coll@lists.infn.it

km3-Italy Collaboration

List informations

KM3-Italy Collaboration members

iscritti: 82
Proprietari
marco.circella

Notifica i proprietari

Opzioni d'iscrizione
Disiscriviti
Info
Amministra
Archivio
Post
RSS
Documenti condivisi
Sommario dei membri

Selezione del linguaggio Italiano

(access via INFN-AAI)

• KM3 eLog

Amministrazione | Lns | Smo | Revisione KM3NeT | NEMO Phase II | HELNED

NEMO Phase II

NEMO Phase II, Page 1 of 3

Logged in as "Nemo User"

New | Find | Select | Import | Config | Logout | Last day | Help

Full | Summary | Threaded

Go to page 1, 2, 3 Next All

ID	Date	Author	Type	Category	Subject	Text
48	Sun Nov 18 10:18:31 2012	anghinoff	sea operation		operazione interrotta	Bruttissima notizia: durante il recupero l'umbilical che unisce il ROV alla sua docking station si e' spezzato e il ROV e' purtroppo, nel rientrare nella docking station, la comunicazione con il ROV si e' interrotta. In queste condizioni il ROV e' recuperato
47	Sat Nov 17 19:11:40 2012	anghinoff	sea operation		aggiornamento	Riceviamo buone notizie da Nunzio: il ROV e' arrivato a 3500 m ed e' uscito dalla docking station. Tuttavia presenta un bilanciamento
46	Sat Nov 17 17:19:53 2012	anghinoff	sea operation		operazione col ROV	a dopo nunzio
45	Sat Nov 17 13:27:32 2012	Nunzio	sea operation		ROV a 1200 metri	Ricevo da Mario questo aggiornamento: mattinata utilizzata
44	Sat Nov 17 12:09:01 2012	anghinoff	sea operation		aggiornamento	In allegato trovate il primo report MECMA relativo all'attivita' di ieri venerdi' 15 (ignorare la data sbagliata Sunday)
43	Sat Nov 17 11:46:55 2012	anghinoff	sea operation		First MECMA report	ore 20 ca: la "Corcaen" e' uscita dal porto. Arrivo sul sito previsto domattina verso le 6
42	Fri Nov 16 20:45:23 2012	anghinoff	sea operation		deployment torre	conclusi test fibre ottiche si conferma la piena funzionalità.
41	Fri Nov 16 16:48:23 2012	Antonio D'Amico	sea operation	Optics	Test fibre ottiche cavo sottomarino	Salve, Come da procedura Riferimento 2.b,
40	Fri Nov 16 13:55:32 2012	Angelo Orlando	sea operation	Power System	TEST ACCENSIONE STAZIONE MARINA - PRECONNESSIONE	12:00 la torre e' adesso a bordo della nave. Partenza prevista per l'attivazione: stanattina e' iniziata l'operazione per installare la torre a capo Passero. La foto allegata e' stata presa
39	Fri Nov 16 12:31:44 2012	anghinoff	sea operation		trasporto torre	
38	Fri Nov 16 11:25:04 2012	anghinoff	sea operation		deployment torre	

username: nemouser
password: Capopassero

KM3 Wiki Pages

- **KM3 Wiki Pages** (*INFN Identity Check requested. Login via INFN-AAI or X.509 Certificate*)



INFN Identity Check



Username: Password: Login	X.509 Certificate 
Come ottenere un accesso ad INFN-AAI	Kerberos5 GSS-API 
Cambio o Rigenerazione Password - Recupero Username	

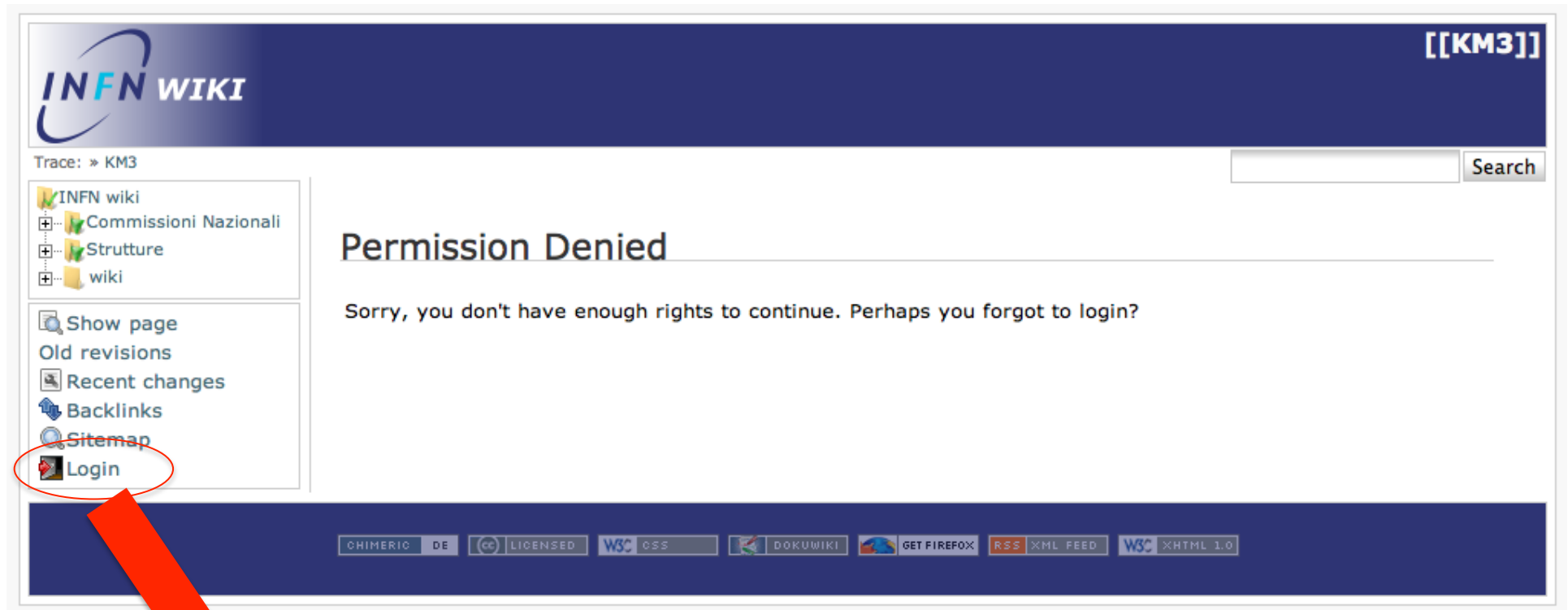
NON AGGIUNGERE QUESTA PAGINA AI PREFERITI! Dopo il login verrai rediretto a
<http://wiki.infn.it/cn/csn2/km3/home?do=login&ok=f43f75f41416dee6673fdc7cc078a1d2>

Richieste di supporto e domande a aai-support@lists.infn.it

This is **WAWA** (Widely Assorted Web Authenticator) by Dael Maselli, based on a [SAML Identity Provider](#) running [simpleSAMLphp](#) by Feide

... or: follow the direct link

KM3 Wiki Pages [<http://wiki.infn.it/cn/csn2/km3/>]



ACCESS IS RESTRICTED only to INFN users that are members of *antares* or *nemo* or *km3* ("ismemberof" in the INFN database).

access permission: **W** → READ and WRITE

[both EDIT pages and CREATE new pages]

KM3 Wiki Page

hosted by



INFN Wiki Page

- **Advantages**

→ access regulated by the **INFN-AAI** [<http://wiki.infn.it/cn/ccr/aai/home>]

- possibility to **filter the access** using INFN user data stored in the INFN database (users categories; “membership” in INFN experiments; affiliation in INFN sections; ...)

→ software infrastructure maintained by INFN (**Commissione Calcolo e Reti**)

- no need for a local installation of the software

- exploit the INFN resources and services

- provide a service to INFN: the more we use it, the better the resource gets, the wider it spreads → **test features, send feedback/suggestions**

[contact me or your local INFN expert]

- **Drawbacks**

→ access available **only to INFN users**: staff/associates/authorized guests.

- the tool for requesting an access for non-INFN users (in particular, for foreign collaborators) is available (see [Come ottenere un accesso ad INFN-AAI](#)) but currently under development. **Use it/test it and send feedback!** (it is the most efficient way to push forward the development of the resource!)

→ the user information available is the one stored in the INFN database. May be **not up-to-date!** (in particular for new contracts/associates)

→ We cannot modify the **DokuWiki** installation (enable options/plugin-ins)

KM3 Wiki Pages: filtering the access

(i.e. setting the acl)

```
N:@ALL
W:nicolauc@infn.it
W:perrinac@infn.it
W:@infn.it:ismemberof=s:csn2:nemo::aff:ric
W:@infn.it:ismemberof=s:csn2:nemo::aff:tec
W:@infn.it:ismemberof=s:csn2:nemo::aff:tng
W:@infn.it:ismemberof=s:csn2:km3::aff:ric
W:@infn.it:ismemberof=s:csn2:km3::aff:tec
W:@infn.it:ismemberof=s:csn2:km3::aff:tng
W:@infn.it:ismemberof=s:csn2:antares::aff:ric
W:@infn.it:ismemberof=s:csn2:antares::aff:tec
W:@infn.it:ismemberof=s:csn2:antares::aff:tng
```

For these users, the **INFN database is not updated!**
→ acl set “by hand”
(**temporary** access via “username” filter)

access FORBIDDEN
to people external to
the Collaboration
(including INFN users
outside KM3)

- **verify your “membership”**: once you Login in the INFN Wiki, your parameters will be listed at the bottom of the page
- If your “*ismemberof*” is NOT nemo or antares or km3 (i.e. YOU CANNOT ACCESS to the KM3 Wiki Pages), **CONTACT ME** (for a temporary access via a “username” filter) **AND your local administration**, to correctly set up your personal data in the INFN database.

KM3 Wiki Pages: finally, we are IN 😊

Driven by DokuWiki



(same software

→ same syntax as in the ANTARES Wiki)

<https://www.dokuwiki.org/wiki:dokuwiki>

Table of Contents

- KM3
 - Working Groups
 - Detector Operation
 - Documentation
 - Collaboration
 - Meetings
 - Publications
 - History

INFN wiki

- Commissioni Nazionali
- Struttura
- wiki

Edit this page
Old revisions
Recent changes
Backlinks
Manage Subscriptions
Sitemap
Logout

KM3

Welcome to KM3 Wiki Pages! This wiki is part of the INFN WIKI. The access to this branch is restricted to INFN users who are members of the Collaboration. Authorized users can both read and modify the content of the wiki, and can add pages.

Go to the [KM3 Experiment Web Site](#)

NOTE: the structure of this front page is "ANTARES-inspired" and can be intended as preliminary. Any suggestion and/or comment is warmly welcome. Following this preliminary scheme, I have created a set of pages (as a starting point, to help people with DokuWiki). Some of them are already filled with some information; most of them are waiting for contributions by experts! 😊 Additional pages can be created, or pages can be re-arranged. !

Working Groups [Edit](#)

- [Detector Description and Design](#)
- [Sea Operations](#)
- [Software & Analysis Tools](#)
- [Calibration](#)

actions: login/logout; edit/create page; revision history and recent changes; page subscription.

KM3 Wiki Pages

The screenshot shows the INFN Wiki homepage. On the left, there is a sidebar with the INFN WIKI logo and a navigation menu. The main content area displays a hierarchical tree of the wiki's structure. A red line highlights the path from the main menu to the KM3 section.

Table of Contents

- KM3
 - Working Groups
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 - Publications
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Site Structure:

- INFN wiki
 - Commissioni Nazionali
 - Commissione Calcolo e Reti
 - Commissione Scientifica II
 - Auger
 - KM3
 - Detector Description
 - Mailing Lists
 - Acoustic Detection
 - Software & Analysis 1
 - Calibration
 - Earth & Sea Sciences
 - Internal Notes
 - Monte Carlo
 - NEMO Phase I
 - Official Public Picture
 - Operations Manual
 - PhD Theses
 - Phone Book
 - Physics & Astronomy
 - Public Plots
 - List of Publications
 - Sea Operations
 - Site Evaluation
 - Technical Notes
 - Commissione Scientifica IV
 - Commissione Scientifica V
 - Strutture
 - wiki

The structure is **PRELIMINARY**. A set of pages has been created (as a starting point). Some of them are already filled with some information; most of them are **waiting for contributions by experts**. Additional pages can be created or pages can be re-arranged

List of Publications

List of Publications

Please, check the list and include missing publications. Shall we include also the file .pdf of the paper? Send me also comments/suggestions about the "style" of this list. Hope to have soon a session for the KM3 Experiment! ☺ ☹

NEMO

(Last Update: November 2012)

- M. Taiuti *et al.*, **The NEMO project: A status report**, Nucl.Instr.Meth.Phys.Res. A 626-627 (2011) S25-S29. doi: 10.1016/j.nima.2010.04.073.¹⁾
- S. Aiello *et al.*, **Procedures and results of the measurements on large area photomultipliers for the NEMO project**, Nucl.Instr.Meth.Phys.Res. A 614 (2010) 206-212. doi:10.1016/j.nima.2009.12.040.
- S. Aiello *et al.*, **Measurement of the atmospheric muon flux with the NEMO Phase-1 detector**, Astropart.Phys. 33 (2010) 263-273. doi:10.1016/j.astropartphys.2010.02.009.
- G. Riccobene *et al.*, **Long-term measurements of acoustic background noise in very deep sea**, Nucl.Instr.Meth.Phys.Res. A 604, Issues 1-2, Suppl. 1:S149-S157 (2009). doi:10.1016/j.nima.2009.03.195.²⁾
- A. Capone *et al.*, **Recent results and perspectives of the NEMO project**, Nucl.Instr.Meth.Phys.Res. A 602 (2009) 47-52. doi:10.1016/j.nima.2008.12.025.³⁾
- E. Migneco *et al.*, **Recent achievements of the NEMO project**, Nucl.Instr.Meth.Phys.Res. A 588 (2008) 111-118. doi:10.1016/j.nima.2008.01.012.⁴⁾
- F. Ameli *et al.*, **The Data Acquisition and Transport Design for NEMO Phase 1**, IEEE Trans.Nucl.Sci. 55:233-240 (2008). doi:10.1109/TNS.2007.914035.⁵⁾
- M. Ruppi *et al.*, **Timing Calibration for the NEMO (Neutrino Mediterranean Observatory) Prototype**, Conference Record, Vol. 1 (2007) 709-715. doi:10.1109/NSSMIC.2007.4436431.⁶⁾
- S. Aiello *et al.*, **Sensitivity of an underwater Cerenkov km3 telescope to TeV neutrinos from Galactic Microquasars**, Astropart.Phys. 28 (2007) 1-9. doi:10.1016/j.astropartphys.2007.03.003.
- I. Amore *et al.*, **NEMO: a project for a KM³ underwater detector for astrophysical neutrinos in the Mediterranean Sea**,

Edit

Mailing List

Mailing Lists

The mailing lists of the KM3 Experiment are hosted by the  INFN Mailing lists service.

KM3

-  km3-coll: KM3-Italy Collaboration

Sub-Group Mailing Lists

-  km3-lb — for the members of the KM3-Italy Institute Board
-  km3-mb — for the members of the KM3-Italy Management Board
-  km3-sc — for the members of the KM3-Italy Steering Committee (including members of the Management Board)
-  km3-pcc — for the members of the KM3-Italy Publication and Conference Committee
-  km3-electro — for the definition of the electronics and the photonics of the KM3 Experiment
-  km3-clb — for people involved in the design of the CLB (Central Logic Board)
-  km3-power — for the definition of the power system of the KM3 Experiment
-  km3-seafloor — for the Seafloor network group
-  km3-mc — for the Simulation group

Edit

Frequently Asked Questions

- **Question:** How can I send a message to a list?
- **Answer:** the messages are to be sent to the address *name_of_the_list*@lists.infn.it . If, for instance, you want your message to be distributed to the members of the km3-coll mailing list, send it to: km3-coll@lists.infn.it
- **Question:** How can I subscribe to a list (or unsubscribe from it)?

Edit

Phone Book

Phone Book

In the following, the list of the institutes participating in the KM3 Collaboration is included. For each institute, a list of contacts is given. Please, check the name of the participants, keep this information up to date and/or add supplementary contacts (phone/mail/skype/web-page) if necessary.

NOTE: I have used the names taken from the km3-coll Mailing List together with a list of names provided by A. Capone: some of the names in this second list are not in the km3-coll mailing list ☹

INFN Bari

Elio Barbarito	 elio.barbarito@ba.infn.it	+39 080 544 3250
Angelo Ceres	 angelo.ceres@ba.infn.it	+39 080 544 2362
Marco Circella	 marco.circella@ba.infn.it	+39 080 544 2354
Maurizio Mongelli	 maurizio.mongelli@ba.infn.it	+39 080 544 2345-3168-3169
Teresa Montaruli	 teresa.montaruli@ba.infn.it	+39 080 544 2370
Irene Sgura	 irene.sgura@ba.infn.it	

INFN Bologna & Universita' degli Studi di Bologna & CMCC

Lucia Ambrogio	 lucia.ambrogio@bo.infn.it	
Simone Biagi	 simone.biagi@bo.infn.it	
Stefano Cecchini	 stefano.cecchini@bo.infn.it	
Tommaso Chiarusi	 tommaso.chiarusi@bo.infn.it	
Srdjan Dobricic	 srdjan.dobricic@cmcc.it	
Luigi Antonio Fusco	 luigiantonio.fusco@bo.infn.it	

The list of the institutes participating in the KM3 Collaboration is included. For each institute, a list of contacts is given. Please, **check the names** of the participants, **keep this information up to date** and/or **add supplementary contacts** (phone/mail/skype/web-page) if necessary.

NOTE: I have used the **names taken from the km3-coll Mailing List** together with a list of names provided by A. Capone: some of the names in this second list are not in the km3-coll mailing list: **CHECK IT!**

Conclusions

- The KM3 Experiment has two web resources: the **KM3 Web Site** and the **KM3 Wiki Pages**
- The **KM3 Web Site** is addressed to people outside the Collaboration/the general public. It contains an “Internal” sections, for a quick link to the Wiki.
- The **KM3 Wiki Pages** are hosted in the INFN Wiki, driven by DokuWiki. Access is regulated via INFN-AAI.

The main goal of the Wiki is to **keep track of the on-going activities** carried on by the KM3 Collaboration, including **also preliminary/technical information**.

Every member of the KM3 Collaboration can **contribute** editing pages/creating new pages. **DokuWiki syntax** has to be used.

The more we use it, the more useful it gets ! 

**[Send comments/feedback/suggestions/complains/questions to
giulia.debonis@roma1.infn.it]**