

# DESY Myon Detector



**Attention:**

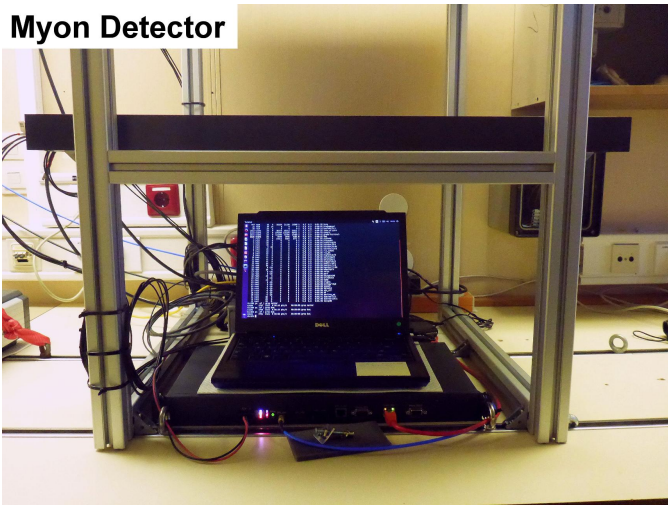
In case of a system failure just reboot the computer (switch on). The data acquisition program will start automatically.

## Summary

The device detects cosmic particles (mainly myons) which are produced by the reaction of cosmic radiation with atomic nuclei or molecules in the upper atmosphere. The system consists of 2 sensor boxes, a data aquisition system, GPS antenna and a netbook.

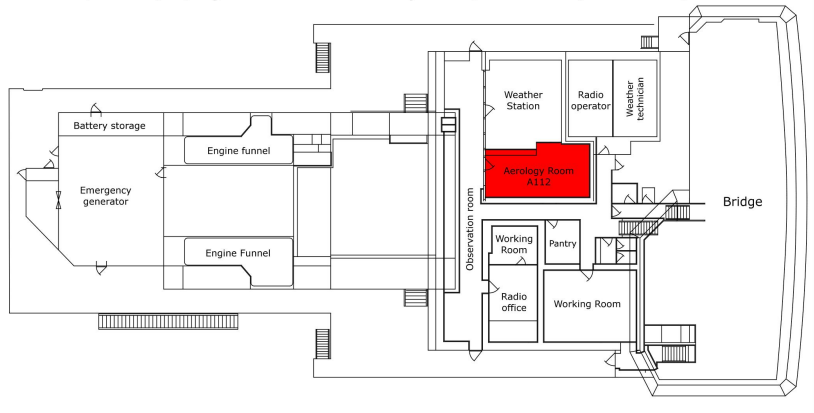
Manufacturer	DESY
Model	
Serial No.	n/a
Type	small scale facility
REGISTRY-Link	<a href="#">REGISTRY (1421)</a>

## Myon Detector



### schematic drawing of Polarstern deck A

location of aerology room A112 (neutron & myon detectors, disdrometer electronics, water vapour analyzer, DigiCora radiosonde receiving station, wave radar system WaMoS)



## Contacts

Name	Institution	Role
Michael Walter	Deutsche Elektronen-Synchrotron DESY	Principal Investigator

## Components

### Position

<b>Info</b>	no xyz-position given, device located on deck A in room A112
<b>X</b>	0.0 (no unit given) (no description given)
<b>Y</b>	0.0 (no unit given) (no description given)
<b>Z</b>	0.0 (no unit given) (no description given)

## Data logging, storage and archiving

### Logged parameters

Parameter	O2ARegistry Output Type	Unit
amount of cosmic particles	amount	number

### Central geographical ship's position and time standard

### Rawdata storage on board

### Data archiving on land

## Documentation

The manuals are located in the folder at the detector on board.

- [DESY-Myon-detector\\_manual \(User Manual, 363 kB\)](#)