



Mobile-friendly EEE monitor and DQM reports

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Our participation to EEE

- The Liceo Scientifico “G. Galilei” of Ancona is in EEE Project since 2015.
- We have specific curricula of Informatics during the first 4 years.
- Our school is participating with about 60 students to EEE monitor activities and other lessons of Physics and Astrophysics.
- We are currently collaborating with the Osservatorio Astronomico of Ancona for lessons and ASL activities in the framework of the EEE project.
- We projected activities with cosmic box/muon detectors.

Current situation

- EEE DQM report web pages are generated by e3pipe.
- It uses the HTML 4.01 standard that is very old (1999) and was superseded on 27 March 2018.
- It doesn't render well on small screens (i.e. smartphone): very small text.

Proposed changes

- Upgrade to HTML5, current W3C Recommendation.
- Responsive web design: automatically adapts page content to the screen sizes.
- [Pull Request #87 \(centrofermi/e3pipe\)](#)

HTML5

- No visual changes (excluding the footer).

Upgrade to HTML5 [Browse files](#)

html5 (#87)

Luca Bassi committed 6 days ago 1 parent [9ba5a6c](#) commit [7a5754b548f55e5b0459fc888ff91213c3de0722](#)

Showing 4 changed files with 9 additions and 9 deletions.

162	-	<code>return ' [%s / %s &ndash; %s / %s]'%\</code>	162	+	<code>return ' [%s / %s &ndash; %s / %s]'%\</code>
233	-	<code>outputFile.image(img, width = '49%')</code>	233	+	<code>outputFile.image(img, style = 'width:49%', alt = 'plot')</code>
263	-	<code>outputFile.write('\n<table width=100%\n')</code>	263	+	<code>outputFile.write('\n<table style="width:100%\n')</code>
167	-	<code>outputFile.image(img, width = '49%')</code>	167	+	<code>outputFile.image(img, style = 'width:49%', alt = 'plot')</code>
216	-	<code>outputFile.write('\n<table width=100%\n')</code>	216	+	<code>outputFile.write('\n<table style="width:100%\n')</code>
31	-	<code><!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd"></code>	31	+	<code><!DOCTYPE html></code>
36	-	<code><meta http-equiv="content-type" content="text/html; charset=iso-8859-1"></code>	36	+	<code><meta charset="UTF-8"></code>
57	-	<code>HTML 4.01 strict and</code>	57	+	<code>HTML5 and</code>
58	-	<code>css level 3.
</code>	58	+	<code>css level 3.
</code>

Responsive web design

- Visual changes on small screens.

Responsive web design [Browse files](#)

html5 (#87)

Luca Bassi committed 2 days ago 1 parent 7a5754b commit 2ae305811da261b5a2d9273d6333e90a5608b6f4

Showing 3 changed files with 7 additions and 5 deletions. Unified Split

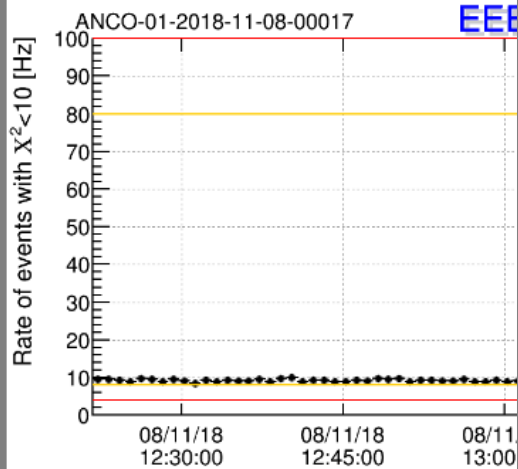
```
216 +     outputFile.write('\n<div style="overflow-x:auto">\n')
245 -     outputFile.write('</table>\n<p></p>\n')
246 +     outputFile.write('</table>\n</div>\n<p></p>\n')
37  + <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
    fit=no">
128 -     width: 1000px;
128 +     max-width: 1000px;
135 -     height: 67px;
135 +     min-height: 67px;
254 -     width: 1000px;
254 +     max-width: 1000px;
```

Small enhancements

- Quoted HTML attributes.
- Bigger images on small screens (moved inline CSS to e3pipe.css).
- Quoted font family names (fixed W3C CSS validator warnings).
- [Pull Request #88 \(centrofermi/e3pipe\)](#)

Responsive web design

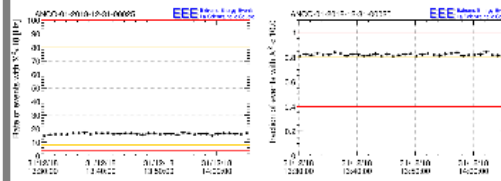
EEE DQM run report



RUN SUMMARY

- DST file path: /home/analisi/tempNewAnalyzer2/ANCO-01-2018-12-31-00025_dst.root
- Unique run identifier: 2432900017
- Smallest event timestamp: 374073702.019 s UTC
- Largest event timestamp: 374077008.985 s UTC
- Run duration (largest - smallest timestamp): 3306.966 s
- Total number of events: 43375
- Number of events with hits: 41271
- Number of events with a track: 30609
- Number of "no hits" (GPS?) events: 2104

EEE DQM run report



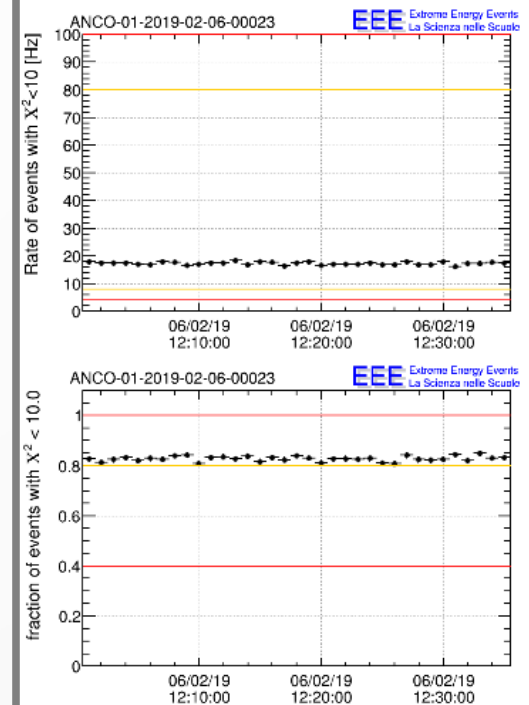
RUN SUMMARY

- DST file path: /home/analisi/tempNewAnalyzer2/ANCO-01-2018-12-31-00025_dst.root
- Unique run identifier: 2438200025
- Smallest event timestamp: 378656981.188 s UTC
- Largest event timestamp: 378659229.975 s UTC
- Run duration (largest - smallest timestamp): 2248.786 s
- Total number of events: 45487
- Number of events with hits: 44522
- Number of events with a track: 36624
- Number of "no hits" (GPS?) events: 965
- Number of "no hit" events: 965
- Number of malformed events: 0
- Number of events out of order: 1

WEATHER STATION

- Readout at 378656940.000 s UTC (41.188 s before the start of the run)
- Outdoor temperature: 19.00 deg C
- Indoor temperature: 18.00 deg C

EEE DQM run report



RUN SUMMARY

Responsive EEE monitor

- EEE monitor page is generated by e3monitor.
- Upgrade to HTML5.
- Responsive web design: table → flexbox.
- [Pull Request #12 \(centrofermi/e3monitor\)](#)
- Progressive web app
- [Pull Request #13 \(centrofermi/e3monitor\)](#)
- DQM list: HTML5 and responsive web design.

Responsive EEE monitor



CENTRO FERMI MUSEO STORICO DELLA FISICA E CENTRO STUDI E RICERCHE ENRICO FERMI

Progetto Extreme Energy Events

EEE MONITOR

[Official address: <http://eee.centrofermi.it/monitor>]

Ultimo aggiornamento: ore 16:42 - venerdì 01 febbraio 2019 [by e3monitor]

[EEE Monitor] RUN 5: October 15, 2018 - May 31, 2019
[EEE Monitor] RUN 5 - Data Taking - Day number: 115
Total number of candidate tracks ($X^2 < 10$) in the database: 85492665189

SCHOOLS ELOGBOOK for RUN 5 SHIFTERS ELOGBOOK

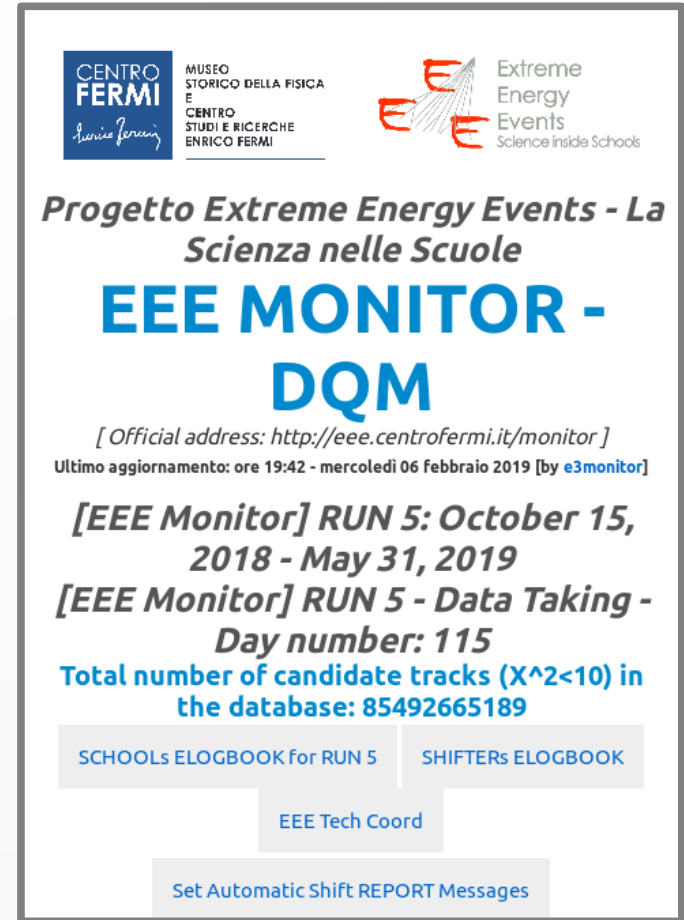
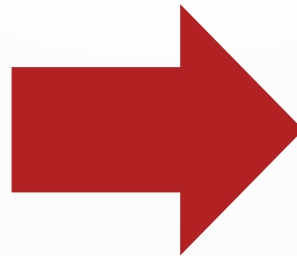
Set Automatic Shift REPORT Messages Automatic

Home Page EEE Masterclass Download

Coincidences Connectivity Report D

La tabella qui sotto mostra la situazione dei telescopi in acquisizione:
In **verde** sono indicati i telescopi in presa dati e trasferimento nelle ultime 3 ore e con parametri di acquisizione ragionevoli nell'ultimo run analizzato.
In **giallo** sono indicati i telescopi in cui trasferimento e/o acquisizione sono sospesi o con tracce ($X^2 < 10$) minori di 10 Hz nell'ultimo run analizzato.
In **rosso** sono indicati i telescopi in cui trasferimento e/o acquisizione sono sospesi o con tracce ($X^2 < 10$) minori di 5Hz nell'ultimo run analizzato.

Name of the last	N
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CENTRO FERMI MUSEO STORICO DELLA FISICA E CENTRO STUDI E RICERCHE ENRICO FERMI

Extreme Energy Events
Science Inside Schools

Progetto Extreme Energy Events - La Scienza nelle Scuole

EEE MONITOR - DQM

[Official address: <http://eee.centrofermi.it/monitor>]

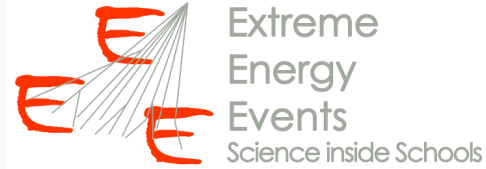
Ultimo aggiornamento: ore 19:42 - mercoledì 06 febbraio 2019 [by e3monitor]

[EEE Monitor] RUN 5: October 15, 2018 - May 31, 2019
[EEE Monitor] RUN 5 - Data Taking - Day number: 115
Total number of candidate tracks ($X^2 < 10$) in the database: 85492665189

SCHOOLS ELOGBOOK for RUN 5 SHIFTERS ELOGBOOK

EEE Tech Coord

Set Automatic Shift REPORT Messages



Thank you for your attention.