



The LaTeX report

Generated by local1 on 14 April 2015, 15:54:08

This report has been generated automatically by MADANALYSIS 5.

Please cite:

E. Conte, B. Fuks and G. Serret,
MadAnalysis 5, A User-Friendly Framework for Collider Phenomenology,
Comput. Phys. Commun. **184** (2013) 222-256,
arXiv:1206.1599 [hep-ph].

To contact us:

<http://madanalysis.irmp.ucl.ac.be>
ma5team@iphc.cnrs.fr

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1 Setup

1.1 Command history

```
ma5>import ../../../../DarkPhotonSignalTest/Events/run_01/unweighted_events.lhe
ma5>plot dR(a e-) 100 0 5
ma5>submit DRtest
```

1.2 Configuration

- MadAnalysis version 1.1.11 (2014/09/15).
- Histograms given for an integrated luminosity of 10fb^{-1} .

2 Datasets

2.1 defaultset

- Samples stored in the directory: `/media/sf_darkphotons/madgraph/madanalysis/-madanalysis5/bin` .
- Sample consisting of: `signal` events.
- Generated events: `100000` events.
- Normalization to the luminosity: `316687+/- 107` events.
- **Ratio (event weight): 3.2 - warning: please generate more events (weight larger than 1)!**

| Path to the event file | Nr. of events | Cross section (pb) | Negative wgts (%) |
|----------------------------------------------------------------------------------------------------------|---------------|--------------------|-------------------|
| <code>/media/sf_darkphotons/-madgraph/-DarkPhotonSignalTest/-Events/run_01/-unweighted_events.lhe</code> | 100000 | 31.7 @ 0.034% | 0.0 |

3 Histos and cuts

3.1 Histogram 1

* Plot: dR (a e-)

Table 1. Statistics table

| Dataset | Integral | Entries events | / | Mean | RMS | %Underflow | %Overflow |
|------------|-------------|-------------------|---|------|-----|------------|-----------|
| defaultset | 0.0 +/- 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 |

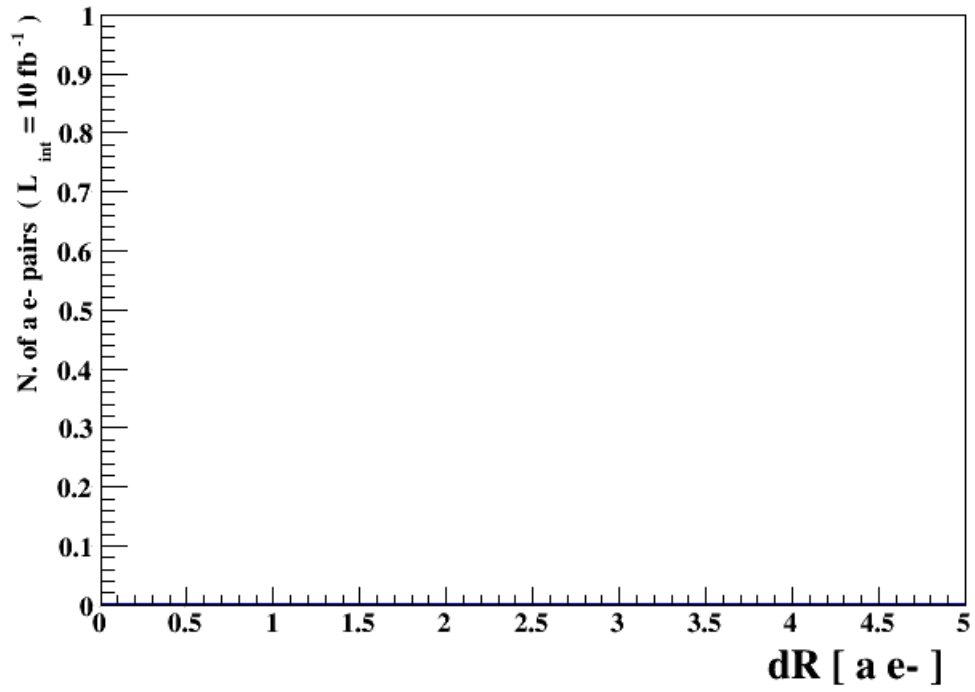


Figure 1.