

## “mcite” example

The Higgs boson is discovered in 2012 at the LHC [1].

This is an example with *mcite* package (i.e., without *colbibtex* script). No modification to the `.bst` file is required and this solution fits simple use cases. The compile is done as usual.

```
pdflatex example_mcite
bibtex example_mcite
pdflatex example_mcite
pdflatex example_mcite
```

or

```
latexmk example_mcite
```

For more advanced use, one may consult *mciteplus* package.

## An invalid case

One may wrongly use the entry already collapsed in its bare form, like

The Higgs boson is discovered in 2012 at the LHC [1]. The paper by ATLAS collaboration [1] was posted on arXiv at 11:59:59 GMT on 31 July, while that by CMS [?] was at 13:27:18 GMT.

In this case, the CMS paper will remain as [?] because it is already used, and a warning message is shown in the compilation:

Package mcite Warning: head ‘Chatrchyan:2012xdj’ already used as tail of ‘Aad:2012tfa’ on input line 34.

LaTeX Warning: Citation ‘Chatrchyan:2012xdj’ on page 1 undefined on input line 34.

LaTeX Warning: There were undefined references.

However, no warnings are given for the ATLAS entry.

## References

[1] **ATLAS** Collaboration, Phys. Lett. **B716** (2012) 1–29 [arXiv:1207.7214].

**CMS** Collaboration, Phys. Lett. **B716** (2012) 30–61 [arXiv:1207.7235].