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HOW TO SEARCH

SPIRES syntax is (mostly) supported (requires "find")
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higgs

Brief format

Search

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Sort by:

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8. Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC

⁽⁴²⁴⁴⁾ [ATLAS Collaboration](#) ([Georges Aad \(Freiburg U.\)](#) *et al.*). Jul 2012. 24 pp.

Published in **Phys.Lett. B716 (2012) 1-29**

CERN-PH-EP-2012-218

DOI: [10.1016/j.physletb.2012.08.020](#)

e-Print: [arXiv:1207.7214 \[hep-ex\]](#) | [PDF](#)

[References](#) | [BibTeX](#) | [LaTeX\(US\)](#) | [LaTeX\(EU\)](#) | [Harvmac](#) | [EndNote](#)

[CERN Document Server](#); [ADS Abstract Service](#); [Link to all figures including auxiliary figures](#); [Interactions.org article](#)

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9. Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC

⁽⁴¹⁶⁶⁾ [CMS Collaboration](#) ([Serguei Chatrchyan \(Yerevan Phys. Inst.\)](#) *et al.*). Jul 2012. 42 pp.

Published in **Phys.Lett. B716 (2012) 30-61**

CMS-HIG-12-028, CERN-PH-EP-2012-220

DOI: [10.1016/j.physletb.2012.08.021](#)

e-Print: [arXiv:1207.7235 \[hep-ex\]](#) | [PDF](#)

[References](#) | [BibTeX](#) | [LaTeX\(US\)](#) | [LaTeX\(EU\)](#) | [Harvmac](#) | [EndNote](#)

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16. Broken Symmetries and the Masses of Gauge Bosons

(3153) [Peter W. Higgs \(Edinburgh U.\)](#). Oct 1964. 2 pp.

Published in **Phys.Rev.Lett. 13 (1964) 508-509**

DOI: [10.1103/PhysRevLett.13.508](https://doi.org/10.1103/PhysRevLett.13.508)

[References](#) | [BibTeX](#) | [LaTeX\(US\)](#) | [LaTeX\(EU\)](#) | [Harvmac](#) | [EndNote](#)
[CERN Document Server](#) ; [ADS Abstract Service](#); [Phys. Rev. Lett. Server](#)

[Detailed record](#) - [Cited by 3153 records](#) **1000+**

17. Broken symmetries, massless particles and gauge fields

(3085) [Peter W. Higgs \(Edinburgh U.\)](#). Sep 1964. 2 pp.

Published in **Phys.Lett. 12 (1964) 132-133**

DOI: [10.1016/0031-9163\(64\)91136-9](https://doi.org/10.1016/0031-9163(64)91136-9)

[References](#) | [BibTeX](#) | [LaTeX\(US\)](#) | [LaTeX\(EU\)](#) | [Harvmac](#) | [EndNote](#)
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HW for next week May 5th :

Read papers and answer questions:

Why is the Higgs particle important

What are the particle properties?

How is the Higgs measured ?

decay, detectors,...