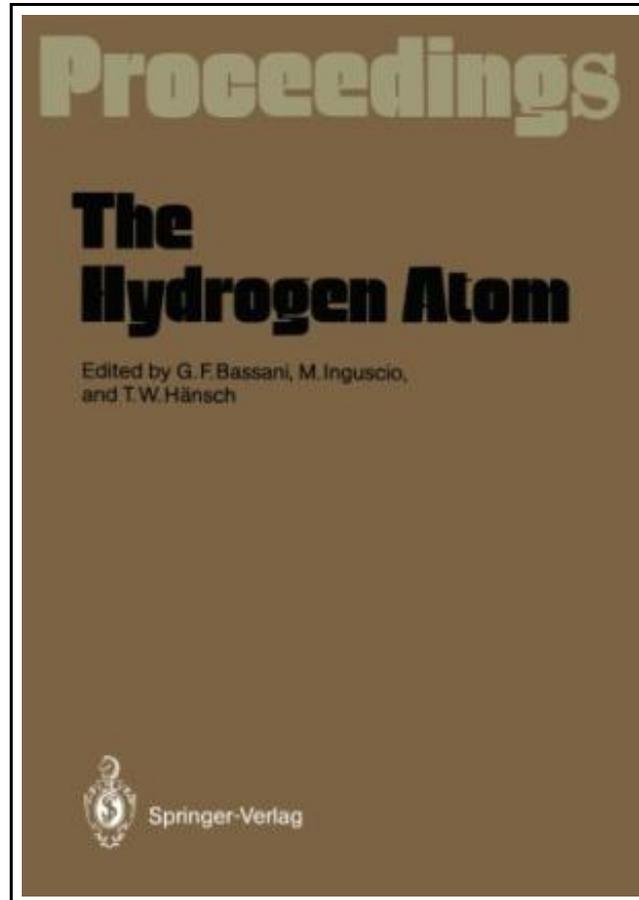


## The Hydrogen Atom



Filesize: 9.47 MB

### **Reviews**

*A very awesome book with perfect and lucid reasons. It really is basic but shocks within the 50 percent of the book. Its been designed in an exceptionally easy way and is particularly merely right after i finished reading this ebook where in fact changed me, change the way i think.  
(Meagan Roob)*

## THE HYDROGEN ATOM



To download **The Hydrogen Atom** eBook, you should click the link under and download the ebook or get access to other information which might be related to THE HYDROGEN ATOM ebook.

Book Condition: New. Publisher/Verlag: Springer, Berlin | Proceedings of the Symposium, Held in Pisa, Italy, June 30-July 2, 1988 | Atomic hydrogen, the simplest of all stable atoms, has been a challenge to spectroscopists and theoreticians for many years. Here, as in similar systems like positronium, muonium and possibly helium, the accuracy of theoretical predictions is comparable to that of experimental measurements. Hence exciting confrontations are possible. This together with expected large experimental improvements explains the strong interest in the symposium held in Pisa in June-July 1988. The resulting book completely covers the precision spectroscopy of atomic hydrogen and hydrogen-like systems, and also discusses aspects of QED and the influence of strong fields. | I Precision Spectroscopy of Hydrogen: Fundamental Physics and Universal Constants.- The Hydrogen Atom (An Historical Account of Studies of Its Spectrum).- Interference of the Hydrogen Atom States ( $n=2$ ).- Separated Oscillatory Field Measurement of the Lamb Shift in H,  $n=2$ .- Hydrogen Spectroscopy and Fundamental Physics.- Doppler-Free Two-Photon Spectroscopy of Hydrogen Rydberg States: Remeasurement of  $R$ ?.- Two-Photon Transitions Between Discrete States.- Two-Photon Spectroscopy of Hydrogen  $1S-2S$ .-  $1S-2S$  Transition-Frequency Calibration.- High Resolution Spectroscopy of Hydrogen.- Trapped Atomic Hydrogen.- Atomic Hydrogen in a Magnetic Trapping Field.- Frequency Standards in the Optical Spectrum.- Precision RF Spectroscopy of Circular Rydberg Atoms.- II Positronium, Muonium, and Other Hydrogen-Like Systems.- Laser Spectroscopy of Positronium and Muonium.- Positronium Decay Rates.- New Schemes for the Production and Spectroscopy of Positronium.- Some Recent Advances in Muonium.- Transitions in Muonic Helium Ions Induced Laser Radiation.- Positrons for Low Energy Antihydrogen Production.- Antihydrogen Positronium-Antiproton Interaction.- Antiprotonic Hydrogen.- The Spectroscopy of Hydrogen-Like Highly Ionised Atoms.- III Quantum Electrodynamics and Beyond.- The Bound State Problem in QED.- Electron  $g - 2$  and High Precision Determination of  $\alpha$ .- General QED/QCD Aspects of Simple Systems.- Search for Parity Nonconservation in Hydrogen.- IV Hydrogen...



[Read The Hydrogen Atom Online](#)



[Download PDF The Hydrogen Atom](#)

## You May Also Like

---



### [PDF] Polly Oliver s Problem: A Story for Girls

Click the hyperlink listed below to download "Polly Oliver s Problem: A Story for Girls" document.

[Save Document »](#)

---



### [PDF] Most cordial hand household cloth (comes with original large papier-mache and DVD high-definition disc) (Beginners Korea(Chinese Edition)

Click the hyperlink listed below to download "Most cordial hand household cloth (comes with original large papier-mache and DVD high-definition disc) (Beginners Korea(Chinese Edition)" document.

[Save Document »](#)

---



### [PDF] Memoirs of Robert Cary, Earl of Monmouth

Click the hyperlink listed below to download "Memoirs of Robert Cary, Earl of Monmouth" document.

[Save Document »](#)

---



### [PDF] The Voyagers Series - Africa: Book 2

Click the hyperlink listed below to download "The Voyagers Series - Africa: Book 2" document.

[Save Document »](#)

---



### [PDF] Gypsy Breynton

Click the hyperlink listed below to download "Gypsy Breynton" document.

[Save Document »](#)

---



### [PDF] Aeschylus

Click the hyperlink listed below to download "Aeschylus" document.

[Save Document »](#)