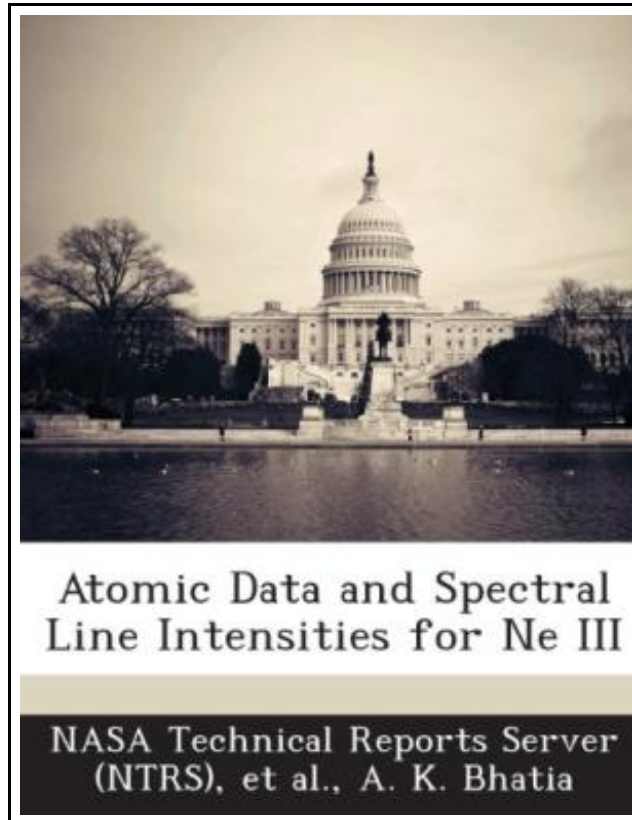


## Atomic Data and Spectral Line Intensities for Ne III



Filesize: 1.79 MB

### ***Reviews***

*The ideal ebook i actually study. It usually does not expense too much. You wont really feel monotony at at any time of your own time (that's what catalogs are for relating to should you request me).*

*(Mrs. Jacklyn Simonis)*

## ATOMIC DATA AND SPECTRAL LINE INTENSITIES FOR NE III

DOWNLOAD



BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 32 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. Electron impact collision strengths, energy levels, oscillator strengths and spontaneous radiative decay rates are calculated for Ne III. The configurations used are  $2s(\text{sup } 2) 2p(\text{sup } 4)$ ,  $2s2p(\text{sup } 5)$ ,  $2s(\text{sup } 2) 2p(\text{sup } 3)3s$ , and  $2s(\text{sup } 2)3p(\text{sup } 3)3d$  giving rise to 57 fine-structure levels in intermediate coupling. Collision strengths are calculated at five incident energies, 5, 10, 15, 20, and 25 Ry. Excitation rate coefficients are calculated by assuming a Maxwellian electron velocity distribution at an electron temperature of  $\log T$ , (K) 5.0, corresponding to maximum abundance of Ne III. Using the excitation rate coefficients and the radiative transition rates, statistical equilibrium equations for level populations are solved at electron densities covering the range of  $10(\text{exp } 8)$ - $10(\text{exp } 14)$  per cubic centimeter. Relative spectral line intensities are calculated. Proton excitation rates between the lowest three levels have been included in the statistical equilibrium equations. The predicted Ne III line intensities are compared with SERTS rocket measurements of a solar active region and of a laboratory EUV light source. This item ships from La Vergne, TN. Paperback.



[Read Atomic Data and Spectral Line Intensities for Ne III Online](#)



[Download PDF Atomic Data and Spectral Line Intensities for Ne III](#)

## Related Kindle Books

---



**TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save eBook »](#)

---



**TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save eBook »](#)

---



**Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large**

Madelyn D R Books. Paperback. Book Condition: New. Paperback. 106 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.This book is about my cousin, Billy a guy who taught me a lot over the years and who...

[Save eBook »](#)

---



**Next 25 Years, The: The New Supreme Court and What It Means for Americans**

SEVEN STORIES PRESS, 2008. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving your...

[Save eBook »](#)

---



**Read Write Inc. Phonics: Orange Set 4 Non-Fiction 5 Jim s House in 1874**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 207 x 168 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books...

[Save eBook »](#)