



# Omschrijving

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## INLEIDING NATUURKUNDE

Van Atoom tot Kosmos

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In deze cursus passeren elementaire concepten in de natuurkunde de revue. Voorbeelden zijn materie, energie, ruimte, tijd en krachten. Het prachtige aan natuurkunde is dat we deze concepten niet alleen in het dagelijks leven tegenkomen in eenvoudige of ingewikkelde situaties zoals een vallende appel, het klimaat of de energieproblematiek, maar dat het precies dezelfde concepten zijn de bewegingen en krachten tussen de meest elementaire bouwstenen van de materie beheersen of de bewegingen en krachten in de kosmos.

Onderwerpen die in vier colleges aan de orde komen zijn

1. Inleiding (afmetingen, energie, krachten)
2. Opbouw van de materie (atomen, nucleonen, quarks en leptonen)
3. Krachten en symmetrieën (gravitatie, elektrozwakke en sterke krachten, antideeltjes)
4. Het ongrijpbare neutrino
5. De geschiedenis van het heelal (de oerknal)
6. Complexiteit

# Atom Im Kosmos Problemen Der Astrophysica

**A. Unsöld, B. Baschek**



## **Atoom En Kosmos Problemen Der Astrophysica:**

**Atoom en kosmos, problemen der astrophysics** C. H. Sluiter,1949     Dictionary Catalog of the Research Libraries of the New York Public Library, 1911-1971 New York Public Library. Research Libraries,1979     Nuclear Science Abstracts ,1975     Library of Congress Catalog Library of Congress,1950     **Cauldrons in the Cosmos** Claus E. Rolfs,William S. Rodney,1988 A reference source that addresses fundamental questions in the field of nuclear astrophysics     Library of Congress Catalogs Library of Congress,1955     Problems in Stellar Atmospheres and Envelopes B. Baschek,W.H. Kegel,G. Traving,2012-12-06     The Library of Congress Author Catalog Library of Congress,1953     **Der neue Kosmos** A. Unsöld,B. Baschek,2013-07-02     Quarterly Check-list of Physics, Including Astronomy and Astrophysics ,1971     Nuclear Reactions of Astrophysical Interest Scilla Degl'Innocenti,Livio Lamia,Rosario Gianluca Pizzone,2021-07-29     **Atoom en kosmos, problemen der astrophysica** C. H. Sluiter,1949     Gaither's Dictionary of Scientific Quotations Carl C. Gaither,Alma E. Cavazos-Gaither,2012-01-04 This unprecedented collection of 27 000 quotations is the most comprehensive and carefully researched of its kind covering all fields of science and mathematics With this vast compendium you can readily conceptualize and embrace the written images of scientists laymen politicians novelists playwrights and poets about humankind s scientific achievements Approximately 9000 high quality entries have been added to this new edition to provide a rich selection of quotations for the student the educator and the scientist who would like to introduce a presentation with a relevant quotation that provides perspective and historical background on his subject Gaither s Dictionary of Scientific Quotations Second Edition provides the finest reference source of science quotations for all audiences The new edition adds greater depth to the number of quotations in the various thematic arrangements and also provides new thematic categories

The Oxford Handbook of the History of Physics Jed Z. Buchwald,Robert Fox,2013-10 This Oxford Handbook brings together contributions by leading authorities on key areas of the history of physics since the seventeenth century In a single volume it offers a comprehensive introduction to scholarly contributions that have tended to be dispersed in journals and books not easily accessible to the student or general reader     Nuclear and Relativistic Astrophysics and Nuclidic Cosmochemistry: 1963-1967 Bronisław Kuchowicz,1968     **Literature 1988, Part 1** U. Esser,H. Hefele,Inge Heinrich,W. Hofmann,D. Krahn,V. R. Matas,Dr. Lutz D. Schmadel,G. Zech,2013-11-11 From the reviews Astronomy and Astrophysics Abstracts has appeared in semi annual volumes since 1969 and it has already become one of the fundamental publications in the fields of astronomy astrophysics and neighbouring sciences It is the most important English language abstracting journal in the mentioned branches The abstracts are classified under more than a hundred subject categories thus permitting a quick survey of the whole extended material The AAA is a valuable and important publication for all students and scientists working in the fields of astronomy and related sciences As such it represents a necessary ingredient of any astronomical library all over the world Space Science Reviews 1 Dividing the whole field plus related subjects into 108 categories each work is

numbered and most are accompanied by brief abstracts Fairly comprehensive cross referencing links relevant papers to more than one category and exhaustive author and subject indices are to be found at the back making the catalogues easy to use The series appears to be so complete in its coverage and always less than a year out of date that I shall certainly have to make a little more space on those shelves for future volumes The Observatory Magazine 2      **Scientific and Technical Aerospace Reports** ,1988      **Journal of the British Astronomical Association** British Astronomical Association,1963  
    **LSAmagazine** University of Michigan. College of Literature, Science, and the Arts,1988      *Physics Briefs* ,1993

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