



**UvA-DARE (Digital Academic Repository)**

**Instrumental photon and proton activation analysis of some elements in stony meteorites**

van Zelst, L.

[Link to publication](#)

*Citation for published version (APA):*

van Zelst, L. (1971). Instrumental photon and proton activation analysis of some elements in stony meteorites

**General rights**

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

**Disclaimer/Complaints regulations**

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <http://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

## References

- Agudo, E.G., 1968  
*Private communication*
- Amsterdam, 1967  
"Nuclear Activation Techniques in the Life Sciences", *Proc. of a Symposium, Amsterdam, 8-12 may 1967. I.A.E.A., Vienna*
- Barrandon, J.N., Quaglia, L., Debrun, J.L., Cuypers, M. and Robaye, G., 1970  
*J. of Radioanal. Chem.* 4, 115-126
- Bate, G.L., Portrats, H.A. and Huizenga, J.R., 1960  
*Geoch. et Cosmochimica Acta* 18, 101-107
- Bowen, H.J.M. and Gibbons, D., 1963  
"Radioactivation Analysis", Clarendon Press, Oxford
- Cobb, J.C., 1960  
"Determination of lead in meteorites by alpha activation analysis", B.N.L. 5628, Brookhaven National Laboratories
- Cobb, J.C., 1964  
*J. Geophys. Res.* 69, 1895-1901
- Cohen, B.L., Newman, E. and Handley, T.H., 1955  
*Phys. Rev.* 99, 723-727

- Das, H.A. and Zonderhuis, J., 1971.  
"Activation Analysis in Geochemistry and Cosmochemistry", Proc. of a NATO Advanced Study Institute, Kjeller, 9-12 sept. 1970, Universitetsforlaget, Oslo, 135-141
- Engelhardt, W. von, 1963  
Beitr. Min. Petrog. 9, 65-94
- Euratom, 1964.  
"Bibliographie comparée de l'analyse par activation", Eur. 1886.f, Euratom, Brussels
- Everling, F., Koenig, L.A., Mattauch, J.H.E. and Wapstra, A.H., 1961  
1960 Nuclear Data Tables, part I and II
- Flanagan, F.J., 1969  
Geoch. et Cosmochimica Acta 33, 81-120
- Fish, R.A., Goles, G.G. and Anders, E., 1960  
Astrophys. J. 132, 243-258
- Frederiksson, K. and Mason, B., 1967  
Geoch. et Cosmochimica Acta 31, 1705-1709
- Gaithersburg, 1969  
"Modern Trends in Activation Analysis", Proc. of a Conference, Gaithersburg, 7-11 oct. 1968  
N.B.S. Spec. Publ. 312, Nat. Bureau of Standards, Washington
- Goey, J.J.M. de, 1970  
"Activeringsanalyse van zuurstof met behulp van tritonen", Thesis, Technical Univ. Delft
- Gordon, G.E., Randle, K., Goles, G.G., Corliss, J.B., Beeson, M.H. and Orley, S., 1968  
Geoch. et Cosmochimica Acta 32, 369-396

- Greenland, L. and Lovering, J.F., 1965  
*Geoch. et Cosmochimica Acta* 29, 821-858
- Hevesy, G. de and Levi, H., 1936  
*K. Danske Vidensk. Sels. Mat.-fys. Medd.* 14,  
3-34
- Hey, M.H., 1966  
"Catalogue of Meteorites", 3rd ed., Trustees  
of the British Museum (Nat. Hist.), London
- Jarosewicz, E., 1967  
*Geoch. et Cosmochimica Acta* 31, 1103-1106
- Keil, K., Huss, G.I. and Wiik, H.B., 1968  
"International Symposium on Meteorite Re-  
search", Vienna, 7-13 aug. 1968. I.A.E.A.,  
Vienna
- Kiesel, W. and Hecht, F., 1968  
*Ibid.*
- Kjeller, 1971  
"Activation Analysis in Geochemistry and Cos-  
mochemistry", Proc. of a NATO Advanced Study  
Institute, Kjeller, 9-12 sept. 1970, Universi-  
tetsforlaget, Oslo
- Koch, R.C., 1960  
"Activation Analysis Handbook", Academic  
Press, New York & London
- König, H., 1964  
*Geoch. et Cosmochimica Acta* 28, 1697-1703

- Kuykendall Jr., W.E., Hoffman, B.W. and Wainerdi, R.E., 1971  
"Activation Analysis in Geochemistry and Cosmochemistry", *Proc. of a NATO Advanced Study Institute, Kjeller, 9-12 sept. 1970, Universitetsforlaget, Oslo, 321-332*
- Lederer, C.M., Hollander, J.M. and Perlman, I., 1968  
"Table of Isotopes", 6th ed., John Wiley and Sons, Inc., New York, London & Sidney
- Lenihan, J.M.A. and Thomson, S.J., 1965  
"Activation Analysis, Principles and Applications", Academic Press, London & New York
- Liège, 1968  
"Practical Aspects of Activation Analysis with Charged Particles", *Proc. of a Conference, Liège, 21-22 sept. 1967, Eur. 3896, d, e, f. Euratom, Brussels*
- Linder, B. and James, R.A., 1959  
*Phys. Rev.* 114, 322-325
- Losanitsch, S.M., 1892  
*Ber. Dsch. Chem. Ges.* 25, 876-880
- Lovering, J.F., Nichiporuk, W., Chodos, A. and Brown, H., 1957  
*Geoch. et Cosmochimica Acta* 11, 263-278
- Lutz, G.J., 1970-a  
"Determination of the light elements in metals, a bibliography of activation analysis papers", *N.B.S. Technical Note 524, Nat. Bureau of Standards, Washington*

- Lutz, G.J., 1970-b  
"14 MeV Neutron Generators in Activation Analysis, A Bibliography", N.B.S. Technical Note 533, Nat. Bureau of Standards, Washington
- Lutz, G.J., Boreni, R.J., Maddock, R.S. and Meinke, W.W., 1971-a  
"Activation Analysis, A Bibliography", N.B.S. Technical Note 467, Nat. Bureau of Standards, Washington
- Lutz, G.J., 1971-b  
Anal. Chem. 43, 93-103
- Lyon Jr., W.S., 1964  
"Guide to Activation Analysis", van Nostrand, New York
- Marion, J.B., 1966  
Phys. Letters 21, 61-62
- Mason, B., 1960  
Nature 186, 230-231
- Mason, B., 1962  
"Meteorites", John Wiley and Sons, Inc., New York & London
- Meyers, P., 1968-a  
"Some applications of non-destructive activation analysis", Thesis, Univ. of Amsterdam
- Meyers, P. and Aten Jr., A.H.W., 1968-b  
Radiochimica Acta 10, 175-176
- Meyers, P. and Aten Jr., A.H.W., 1969  
Radiochimica Acta 11, 60

- Moore, C.B. and Brown, H., 1962  
*Geoch. et Cosmochimica Acta* 26, 495-502
- Morgan, J.W. and Ehmman, W.D., 1971  
"Activation Analysis in Geochemistry and Cos-  
mochemistry", *Proc. of a NATO Advanced Study  
Institute, Kjeller, 7-12 sept. 1970, Universi-  
tetsforlaget, Oslo, 81-98*
- Morrison, G.H., Gerard, J.T., Travesi, A., Currie, R.L.,  
Peterson, S.F. and Potter, N.M., 1969  
*Anal. Chem.* 41, 1633-1637
- Morrison, G.H., 1971  
"Activation Analysis in Geochemistry and Cos-  
mochemistry", *Proc. of a NATO Advanced Study  
Institute, Kjeller, 7-12 sept. 1970, Universi-  
tetsforlaget, Oslo, 51-54*
- N.B.S., 1954  
"Protection against betatron-synchrotron radia-  
tions up to 100 MeV", *Handbook no. 55, Nat.  
Bureau of Standards, Washington*
- Nelson, J.W., Plendl, H.S. and Davis, R.H., 1962  
*Phys. Rev.* 125, 2005-2008
- Nichiporuk, W., Chodos, A., Helin, E. and Brown, H., 1967  
*Geoch. et Cosmochimica Acta* 31, 1911-1930
- Nozaki, T., Yatsurugi, Y. and Akiyama, N., 1970  
*J. of Radioanal. Chem.* 4, 87-98
- Plaksin, I.N., Smirnov, V.N. and Starchik, L.P., 1960  
*Soviet J. Atomic Energy* 9, 899-903
- Powell, B.N., 1971  
*Geoch. et Cosmochimica Acta* 35, 5-34

- Prior, G.T., 1916-a  
*Min. Mag.* 18, 1-25
- Prior, G.T., 1916-b  
*Min. Mag.* 18, 26-44
- Prior, G.T., 1920  
*Min. Mag.* 19, 51-63
- Reed, S.J.B., 1965  
*Geoch. et Cosmochimica Acta* 29, 513-534
- Ricci, E. and Hahn, R.L., 1965  
*Anal. Chem.* 37, 742-748
- Rieder, R. and Wäcke, H., 1968  
"International Symposium on Meteorite Research", Vienna, 7-13 aug. 1968, I.A.E.A., Vienna
- Ringwood, A.E., 1960  
*Geoch. et Cosmochimica Acta* 20, 1-4
- Ringwood, A.E., 1961  
*Geoch. et Cosmochimica Acta* 24, 159-197
- Salzburg, 1965  
"Radiochemical Methods of Analysis", Proc. of a Symposium, Salzburg, 19-23 oct. 1964  
I.A.E.A., Vienna
- Schiff, L.I., 1951  
*Phys. Rev.* 83, 252-253
- Schmitt, R.A., Linn Jr., T.A. and Wakita, H., 1970  
*Radiochimica Acta* 13, 200-212
- Schmus, W.A. van and Wood, J.A., 1967  
*Geoch. et Cosmochimica Acta* 31, 747-765



- Seitner, H., Kiesel, W., Kluger, F. and Hecht, F., 1971  
*J. of Radioanal. Chem.* 7, 235-248
- Spicer, B.M. and Penfold, A.S., 1955  
*Phys. Rev.* 100, 1375-1376
- Tanaka, S. and Furukawa, M., 1959  
*J. Phys. Soc. of Japan* 14, 1269-1275
- Taylor, J.G.V., Robinson, L.B. and Haslam, R.N.H., 1954  
*Can. J. Phys.* 32, 238-242
- Taylor, S.R., 1964  
*Geoch. et Cosmochimica Acta* 28, 1273-1285
- Texas, 1965  
"Modern Trends in Activation Analysis", *Proc. of a Conference, College Station, Texas, U.S.A. 9-12 april 1965, Texas A & M University, College Station, Texas*
- Urey, H.C. and Craig, H., 1953  
*Geoch. et Cosmochimica Acta* 4, 36-82
- Urey, H.C., Mele, A. and Mayeda, T., 1958  
*Geoch. et Cosmochimica Acta* 13, 1-4
- Urey, H.C., 1959  
*J. Geophys. Res.* 64, 1721-1737
- Walter, L.S., 1968  
"International Symposium on Meteorite Research", Vienna, 7-13 aug. 1968, I.A.E.A., Vienna
- Wiik, H.B., 1956  
*Geoch. et Cosmochimica Acta* 9, 279-289

Wiik, H.B., 1968

*List of meteorite analyses, collected by  
Dr. H.B. Wiik from his own publications.*

Williamson, C.F., Boujot, J.P. and Picard, J., 1966

*"Tables of range and stopping power of chemical elements for charged particles of energy 0.5 to 500 MeV", C.E.A.-R-3042, Centre d'Etudes Nucléaires de Saclay*

Wing, J. and Huizenga, J.R., 1962

*Phys. Rev. 128, 280-290*