

List of Scientific Papers

1. On the Interaction of Elementary Particles. Proc. Phys. Math. Soc. Japan, 17 (1933), 48.
2. On the Theory of Elementary Particles. Personal History of Research.

CURRICULUM VITAE (with S. Sakata)

Name : YUKAWA, Hideki.  
Date of Birth: January 23, 1907.  
Title : Doctor of Science.  
Status : Professor of Kyoto University.  
Address : No. 18 Kodono-cho, Kamigamo, Kamikyo-ku, Kyoto City, Japan.  
 Mar. 30, 1929: Graduated from Faculty of Science, Kyoto University.  
 Mar. 31, 1932: Assigned as Lecturer at the Faculty.  
 May 13, 1933: Assigned as Lecturer at the Faculty of Science, Osaka University.  
 Mar. 31, 1936: Appointed as Assistant Professor of Osaka University.  
 Apr. 5, 1938: Accorded the degree of Doctor of Science from Osaka University.  
 May 26, 1939: Appointed Professor of Kyoto University and thence through the present date has been giving lectures on quantum mechanics and theory of elementary particles.  
 June 30, 1940: Travelled to U.S.A. and European countries.  
 Oct. 31, 1939: Nominated Member of National Research Council.  
 June 30, 1939: Accorded Imperial Prize from the Imperial Academy.  
 May 14, 1940: Concurrently appointed Professor of Tokyo University.  
 Nov. 26, 1942: Nominated Member of Chemical Research Institute of Kyoto University.  
 Jan. 13, 1943: Accorded Order of Cultural Merit.  
 Apr. 29, 1943: Relieved from the concurrent post of Professor of Tokyo University at his own request.  
 Jan. 28, 1946: Nominated Member of Japan Academy.  
 July 2, 1946: Nominated Member of Japan Academy.

15. On the Foundation of the Field Theory. Nagata 14, (1942), 240, 255, 322. (in Japanese) \* \* \* \* \*

19. On the Foundation of Classical Electrodynamics. I. Nippon Kagaku Kaishi 5 (1947), 45. (in Japanese)

20. On the Theory of Elementary Particles. I. Proc. Theor. Phys. 2 (1947), 209.

21. Relativity in Generalized Field Theory. Proc. Theor. Phys. 2 (1947), 209.

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1. On the Interaction of Elementary Particles. Proc. Phys. Math. Soc. Japan, 17 (1935), 48.
2. On the Theory of **Personal History of Research** (with S. Sakata) Proc. Phys. Math. Soc. Japan, 27 (1935), 389.
3. He has been engaged in the investigation in the field of the **meson phenomenon**. (with S. Sakata) Proc. Phys. Math. Soc. Japan, 17 (1935), 467.
4. Elementary Calculations on the **slowing down of neutrons** by thin plates. (with S. Sakata) Proc. Phys. Math. Soc. Japan, 18 (1936), 507.
5. **On the prediction of the existence of the meson or mesotron**. This prediction was confirmed in 1937 by the discovery of such particles in cosmic rays by American physicists in 1937. All the time he has devoted himself to the further development of the meson theory. (with S. Sakata) Proc. Phys. Math. Soc. Japan, 19 (1937), 712.
6. **Attempt in order to establish the general theory of elementary particles**. (with S. Sakata) Phys. Rev. 51 (1937), 677.
7. **On the Theory of Collision of Neutrons Deutrons**. (with S. Sakata) Proc. Phys. Math. Soc. Japan, 19 (1937), 542.
8. **On a Possible Interpretation of  $\mu$  Meson Penetrating Component of the Cosmic Ray**. Proc. Phys. Math. Soc. Japan, 19 (1937), 712.
9. **On the Interaction of Elementary Particles**. II. (with S. Sakata) Proc. Phys. Math. Soc. Japan, 19 (1937), 1084.
10. **On the Interaction of Elementary Particles**. III. (with S. Sakata and M. Taketani) Proc. Phys. Math. Soc. Japan, 20 (1938), 319.
11. **On the Interaction of Elementary Particles**. IV. (with S. Sakata, M. Kobayashi and M. Taketani) Proc. Phys. Math. Soc. Japan, 20 (1938), 720.
12. **The Mass and the Life Time of the Mesotron**. (with S. Sakata) Proc. Phys. Math. Soc. Japan, 21 (1939), 138.
13. **Mass and Mean Life-time of the Meson**. (with S. Sakata) Nature 143 (1939), 761.
14. **Note on the Absorption of Slow Mesotrons in Matter**. (with T. Okayama) Scien. Pap. Inst. Phys. Chem. Res., 36 (1939), 375.
15. **On the Scattering of Mesons by Nuclear Particles**. (with Y. Tanikawa) Proc. Phys. Math. Soc. Japan, 23 (1941), 448.
16. **On the Foundation of the Field Theory**. Kagaku 12, (1942), 249, 252, 322. (in Japanese)
17. **On the Foundation of Classical Electrodynamics**. I. Nippon Butsurigaku-kaishi 2 (1947), 65. (in Japanese)
18. **On the Theory of Elementary Particles**. I. Proc. Theor. Phys. 2 (1947), 209.
19. **Reciprocity in Generalized Field Theory**. Proc. Theor. Phys. 3 (1948), 3.

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2. On the Theory of Internal Pair Production. (with S. Sakata)  
Proc. Phys. Math. Soc. Japan, 17 (1935), 389.
3. On the Theory of the  $\beta$  Disintegration and the Allied Phenomenon.  
(with S. Sakata) Proc. Phys. Math. Soc. Japan, 17 (1935), 467.
4. Elementary Calculations on the Slowing Down of Neutrons by a Thin  
Plate. Proc. Phys. Math. Soc. Japan, 18 (1936), 507.
5. Supplement to "On the Theory of the  $\beta$  Disintegration and the Allied  
Phenomenon". (with S. Sakata) Proc. Phys. Math. Soc. Japan, 18  
(1936), 128.
6. Theory of Disintegration of Nucleus by Neutron Impact.  
(with Y. Miyagawa) Proc. Phys. Math. Soc. Japan, 18 (1936), 157.
7. Note on Dirac's Generalized Wave Equations. (with S. Sakata)  
Proc. Phys. Math. Soc. Japan, 19 (1937), 91.
8. On the Nuclear Transformation with the Absorption of the Orbital  
Electron. (with S. Sakata) Phys. Rev. 51 (1937), 677.
9. On the Theory of Collision of Neutrons Deutrons. (with S. Sakata)  
Proc. Phys. Math. Soc. Japan, 19 (1937), 542.
10. On a Possible Interpretation of the Penetrating Component of the  
Cosmic Ray. Proc. Phys. Math. Soc. Japan, 19 (1937), 712.
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