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Report

1. The Fifth Lectureship, Physics Department, Faculty of Science, Kyoto Imperial University.
2. Kitashirakawa Oiwakecho, Sakyo-ku, Kyoto.
3. Government
4. No instrument of importance, The research being exclusively theoretical.
5. Number of research workers : 3
(Professor 1, Assistant Professor 1, Lecturer 1)
Number of assistants : 55
Number of other employee : 2
Total number : 10
6. Research Item : Theory of the mesotron.
Leader of Research : Professor Yukawa.
Number of Research Member : 5
Period : 1940 - 1945 (not yet finished)
Amount of Expense : 15,000 yen.

FP 194
List of Papers appeared since 1940 (Fifth Lecture ship)
Prof. Yukawa

1. Sakata, Connection between the Meson Decay and the Beta-Decay (Phys. Rev. 58, 576, 1940)
2. Sakata and Taketani Note on Casimir's Method of the Spin Summation in the Meson (Sc. Pap. Inst. Phys. Chem. Res. 38, 1, 1940)
3. Taketani and Sakata, On the Wave Equation of Meson (Proc. Phys.-Math. Soc. Japan 22, 757, 1940)
4. Sakata, On the Theory of the Meson Decay (ibid. 23, 283, 1941)
5. Sakata, On Yukawa's Theory of Beta-Disintegration and the Life-time of the Meson (ibid. 23, 291, 1941)
6. Tanikawa and Yukawa, On the Scattering of Mesons by Nuclear Particles. (ibid. 23, 445, 1941)
7. Tanikawa and Ueno, Note on the Scattering of Mesons (Sc. Pap. Inst. Phys. Chem. Res. 38, 433, 1941)
8. Ueno and Kuze, Note on the Magnetic Moment of the Nucleon (Proc. Phys.-Math. Soc. Japan 24, 184, 1942)
9. Tanikawa, Note on the Lifetime of the Neutral Meson (ibid. 24, 610, 1942)
10. Nakamura, On the Lifetime of the Neutral Vector-Meson (Nippon Sugaku-Butsurigaku Kaishi, 16, 201, 1942)
11. Sakata and Inoue, On the Relation between the Meson and the Yukawa-Particle (ibid. 16, 232, 1942)
12. Yukawa, On the Foundation of the Field Theory (Kagaku 12, 251; 282; 322, 1942)
13. Tanikawa, On the Bose-Particle with the Mass larger than the Nucleon (Nippon Sugaku-Butsurigaku Kaishi 17, 597, 1943)
14. Tanikawa, On the Interaction between the Neutral Meson and the hight Particle (kagaku 14, 136, 1944)
15. Tanikawa, On the Extension of Stueckelberg's Theory (ibid. 14, 355, 1944)
16. Tanikawa, On Generalized Transformation Function (in press)
17. Yukawa, On the Foundation of Classical Electrodynamics (in press)