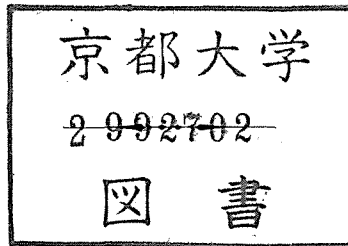


MEMOIRS OF
THE FACULTY OF SCIENCE
KYOTO UNIVERSITY

SERIES OF
PHYSICS, ASTROPHYSICS,
GEOPHYSICS AND CHEMISTRY

Formerly
Memoirs of the College of Science
University of Kyoto
Series A



VOL. XXXIV, No. 1

December, 1972

KYOTO

CONTENTS

Energy and Angular Distribution of Electrons ejected from Autoionization States in Helium by Electron Impact <i>By S. Tahira</i>	1
Energy and Angular Distribution of Electrons resulting from Direct Ionizing Collisions of Electrons with Atoms <i>By S. Tahira</i>	29
Fine Structures in the Absorption Spectrum of Alpha-MnS <i>By H. Komura</i>	41
Differential Cross Sections for the Process $\gamma + n \rightarrow \pi^0 + n$ at Photon Energies between 500 and 900 MeV <i>By H. Okuno</i>	61

Printed by Nippon Printing and Publishing Co., Ltd.,

Fukushima, Osaka