

**DISSERTATION**

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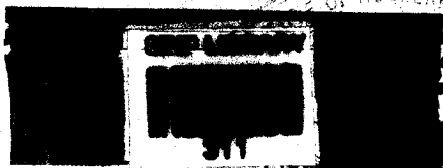
**FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (SCIENCE),  
OF THE UNIVERSITY OF CALCUTTA.**

**BY**

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SUBJECT INDEX



<u>PART I</u>			<u>PAGE NO.</u>
Chapter	I	..	Nuclear isomerism and the method of delayed coincidence. 1
*Chapter	II	..	Mathematical analysis of time-lag in counters (attached a Note published in Ind. J. Phys., 1950, 24, 261) 8
*Chapter	III	..	Detection of a metastable state in titanium (46) by the method of delayed coincidence (attached a Note published in Nature, Dec. 1949., 164, 1001) 20
*Chapter	IV	..	Examination of the decay scheme of scandium (46) 35
References (Chapters I-IV)			47
†Chapter	V	..	On the measurement of the angular correlation between two cascade gamma rays. 49
References			66
<u>PART II</u>			
†Chapter	VI	..	The current stabilizer for the cyclotron and beta-ray spectrometer magnets of the Institute of Nuclear Physics. 67
References			114
Chapter	VII	..	Concerning the use of a 920 double photo-cell used in current amplifier and stabilizer. (Reprint) 115
†Chapter	VIII	..	On the triggering of plate-coupled multivibrator by negative pulses. 116
References			133
<u>PART III</u>			
Chapter	IX	..	Treatment of Graves' Disease with radioiodine with report of a case. (Reprint) 134

\* Communicated in Ind. J. Phys. for publication.

† To be communicated shortly.