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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

CONFIDENTIAL

50X1-HUM

COUNTRY East Germany

REPORT

SUBJECT Institute for Nuclear Physics in Zeuthen

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THIS IS UNEVALUATED INFORMATION. SOURCE GRADINGS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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photographs showing the buildings of the Institute for Nuclear Physics, Zeuthen, and certain items of equipment as follows:

1. Photograph of the building of the Institute

2. 2 MV cascade generator (2 MV Kaskadengenerator). The generator is in the background; the accelerator tube is in the foreground.

3. Small generator for tritium neutrons (Kleiner Generator fuer Tritium-Neutronen)

4. 4 MV Van de Graaff generator

5. Large electromagnetic isotope separator (Grosser elektromagnetischer Isotopentrenner)

6. Mass spectrometer (Massenspektrometer)

7. 2-Siegbahn beta spectrometer (Das 2-Siegbahn-β-Spektrometer)

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STATE	ARMY	NAVY	AIR	NSA	OCR	AEC	DIA
X	X	X	X	X		X	X

(Note: Washington distribution indicated by "X"; Field distribution by "#".)

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8. Iron-free double lense beta spectrometer (Eisenfreies Doppellinsen - β-Spektrometer)

9. Automatic Wilson chamber with magnetic field and stereocamera. (Automatische Wilsonkammer mit Magnetfeld und Stereo-Aufnahme-Kamera)

10. Large 50 kw vacuum soldering furnace (Grosser 50 kw - Vakuumloetofen)

11. 11a. Evaporation apparatus for radio-active sources (Aufdampfapparatur fuer radioaktive Quellen)

12. "Glove-Box" for working with exposed radioactive materials ("Glove-Box" fuer Arbeiten mit offenen radioaktiven Materialien)

13. Large development installation for nuclear trace emulsion (Grosse Entwicklungsanlage fuer Kernspuremulsionen)

14. Large metal-measuring microscope (Grosses Metall-Messmikroskop)

15. Large nuclear-trace measuring microscope from Carl Zeiss, Jena, with a magnetic tape recorder (Grosses Kernspurmessmikroskop von C. Zeiss, Jena, mit Magnetofon-Rekorder)

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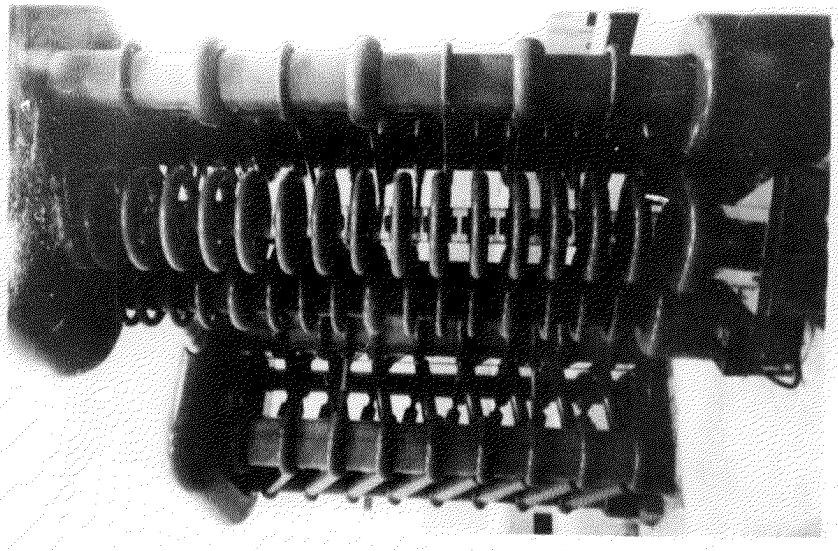
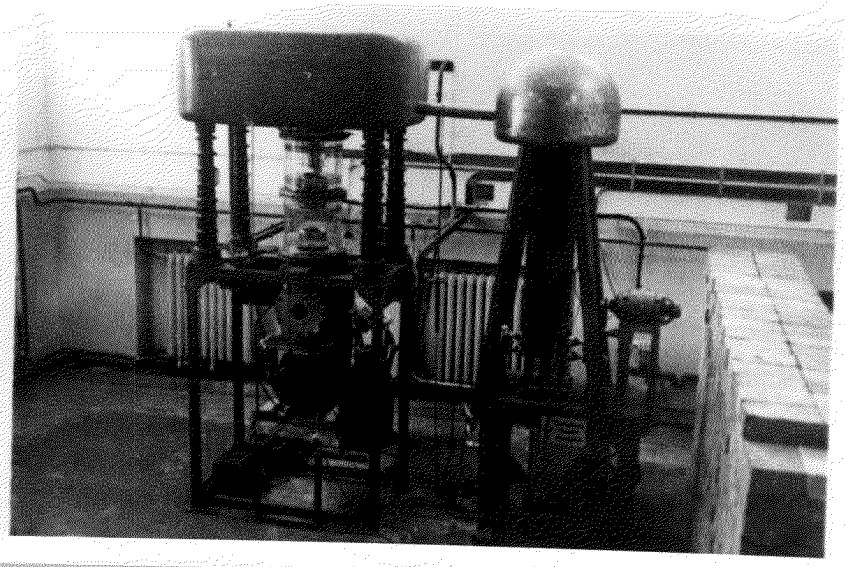
INSTITUTE FOR NUCLEAR PHYSICS.

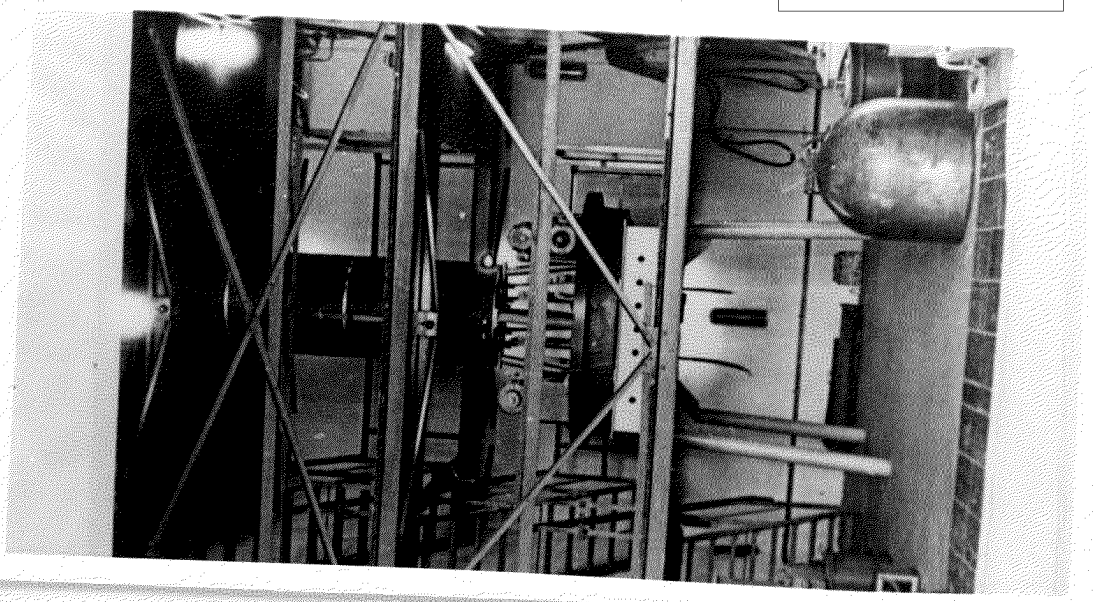
2 MV CASCADE GENERATOR WITH ACCELERATOR TUBE IN FOREGROUND AT INSTITUTE OF NUCLEAR PHYSICS.



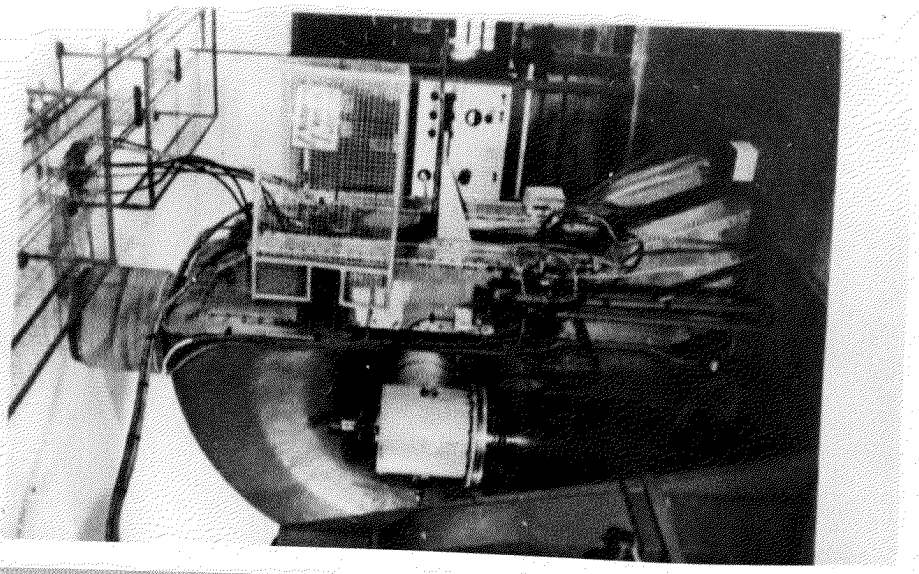
SMALL GENERATOR FOR TRITIUM NEUTRONS AT INSTITUTE FOR NUCLEAR PHYSICS.



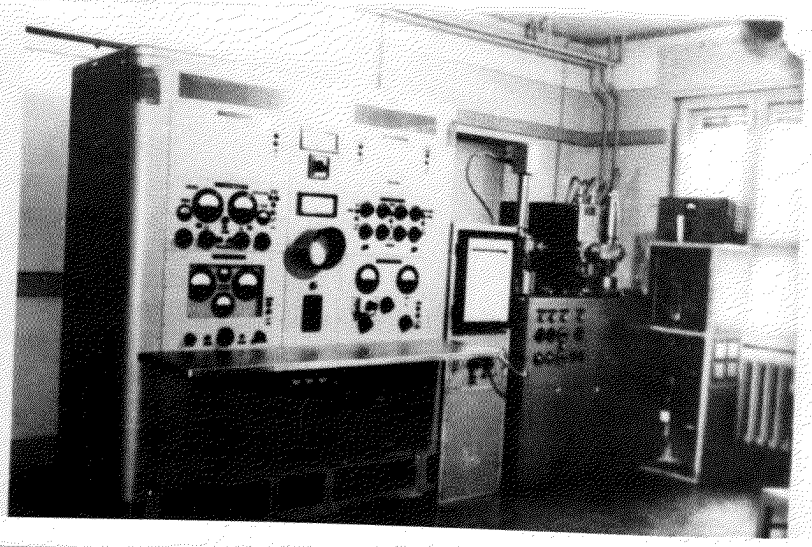
4 MB VAN DE GRAAFF GENERATOR AT INSTITUTE FOR NUCLEAR PHYSICS.



LARGE ELECTROMAGNETIC ISOTOPE SEPARATOR AT INSTITUTE FOR NUCLEAR PHYSICS



MASS SPECTROMETER AT INSTITUTE FOR NUCLEAR PHYSICS.



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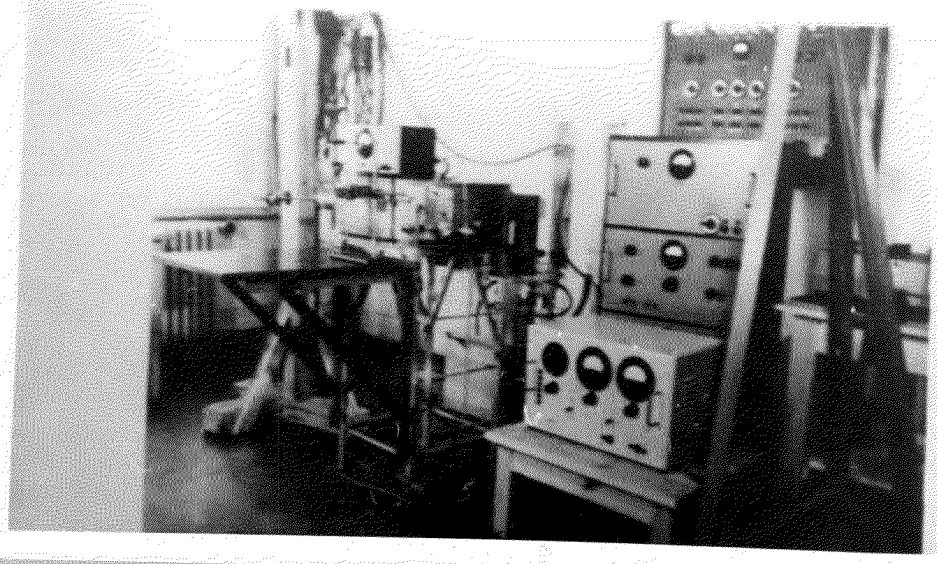
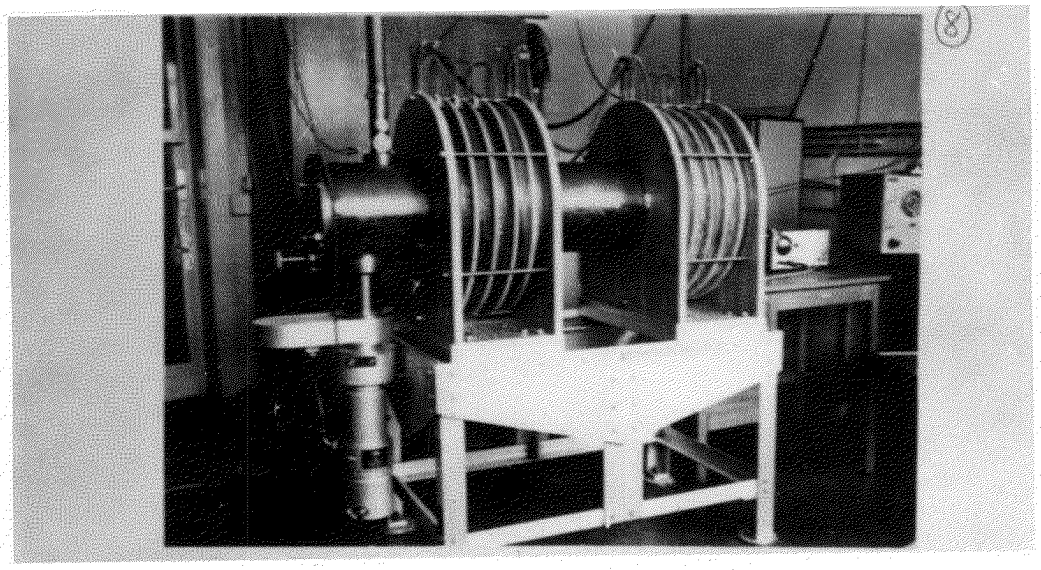
2-SIEGBAHN SPECTROMETER AT INSTITUTE FOR NUCLEAR PHYSICS.

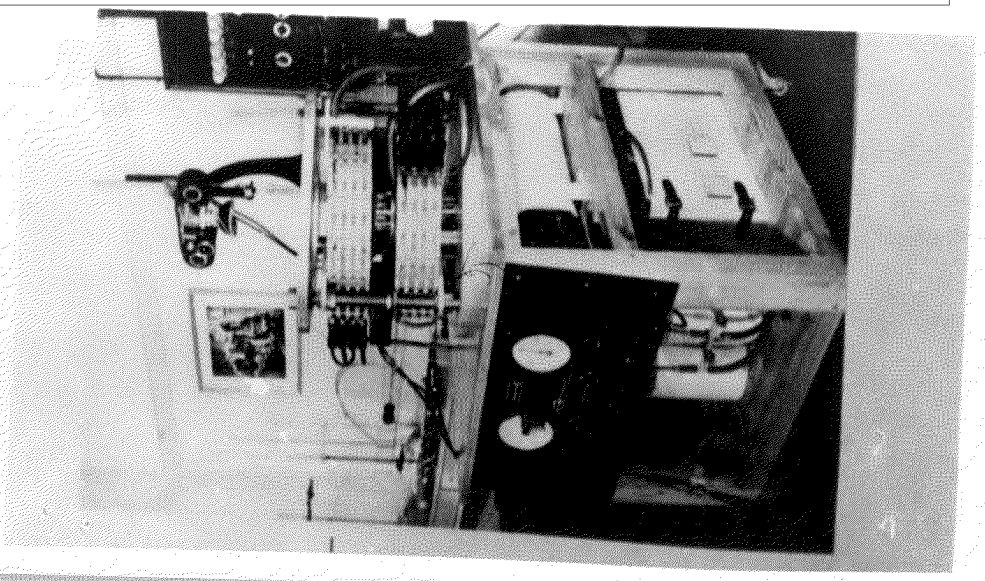


GERMANY BRANDENBURG ZEUTHEN

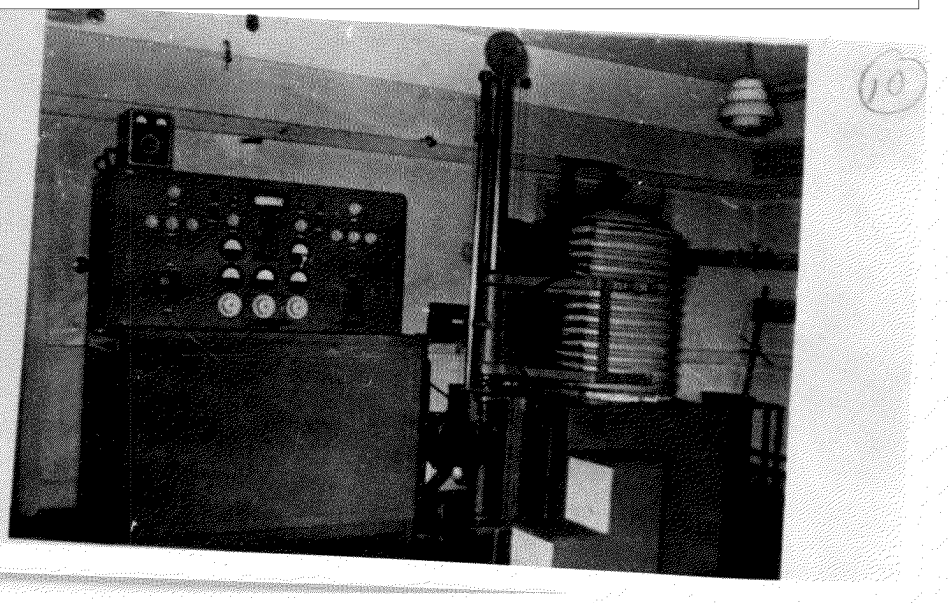
IRON FREE DOUBLE LENS BETA SPECTROMETER AT INSTITUTE FOR NUCLEAR PHYSICS.



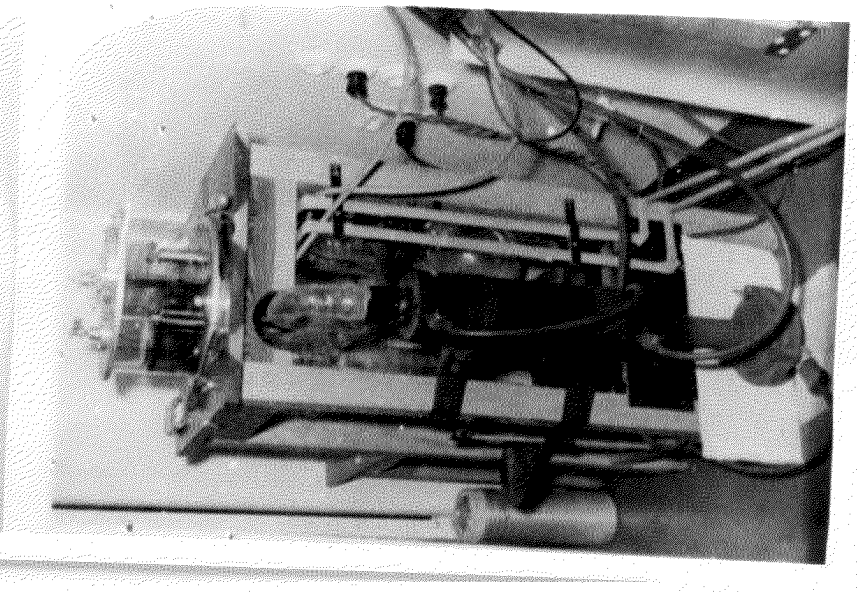
AUTOMATIC WILSON CHAMBER WITH MAGNETIC FIELD AND STEREO CAMERA AT INSTITUTE FOR NUCLEAR PHYSICS.



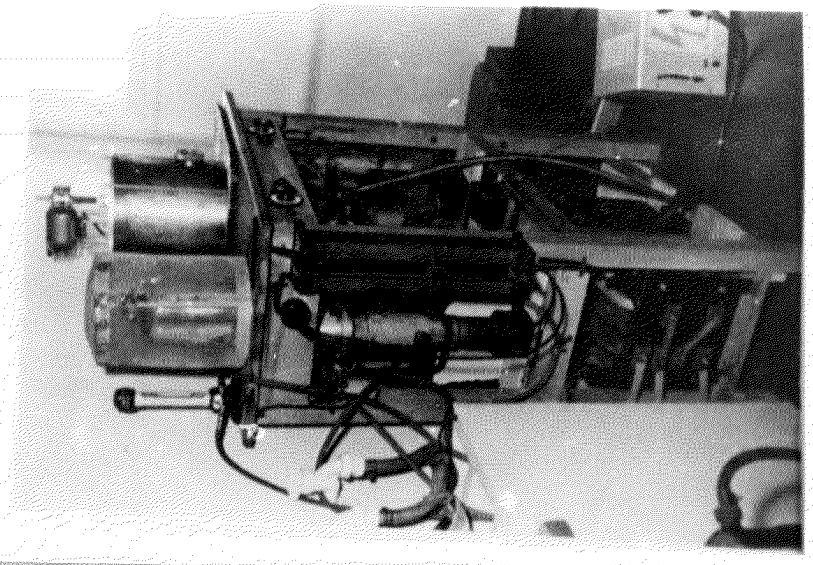
LARGE 50 KILOWATT VACUUM SOLDERING FURNACE AT INSTITUTE FOR NUCLEAR PHYSICS.



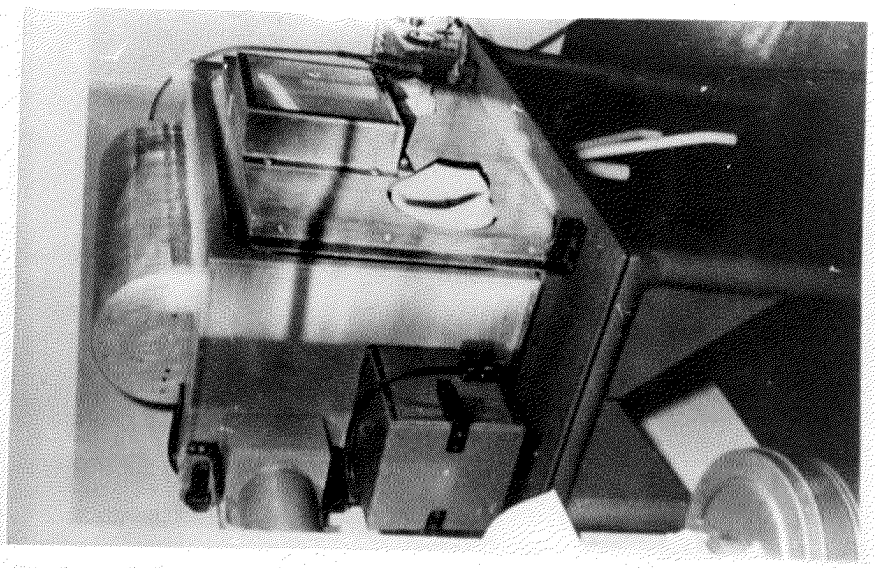
EVAPORATION APPARATUS FOR RADIO ACTIVE SOURCES AT INSTITUTE FOR NUCLEAR PHYSICS.



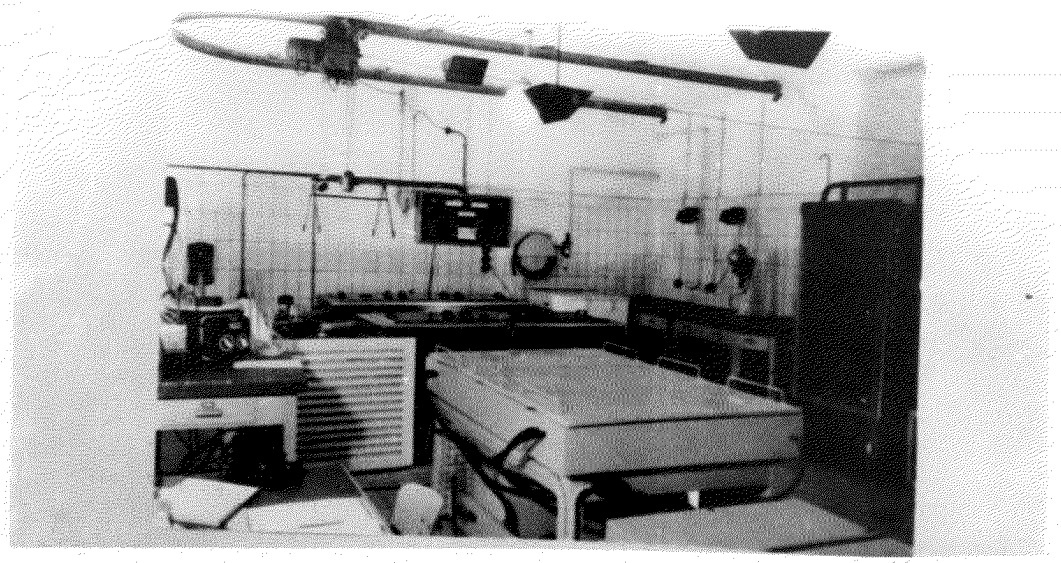
EVAPORATION APPARATUS FOR RADIO ACTIVE SOURCES AT INSTITUTE FOR NUCLEAR PHYSICS.



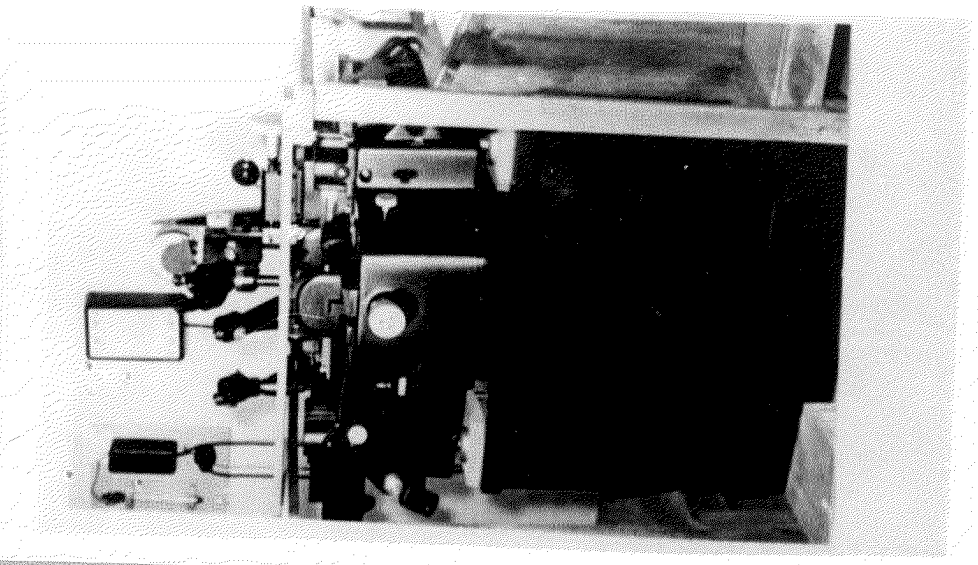
GLOVE BOX FOR WORKING WITH EXPOSED RADIOACTIVE MATERIALS AT INSTITUTE FOR NUCLEAR PHYSICS.



LARGE DEVELOPMENT INSTALLATION FOR NUCLEAR TRACE EMULSION AT INSTITUTE FOR NUCLEAR PHYSICS.



LARGE METAL-MEASURING MICROSCOPE AT INSTITUTE FOR NUCLEAR PHYSICS.



LARGE NUCLEAR TRACE-MEASURING MICROSCOPE FROM ZEISS, JENA WITH A MAGNETIC TAPE RECORDER, INSTITUTE FOR NUCLEAR PHYSICS, [redacted]