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**INTERNATIONAL NUCLEAR DATA COMMITTEE**

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**PROGRESS REPORT FOR THE YEAR 1985/86**

**Nuclear Data Project in Kuwait  
Kuwait Institute for Scientific Research (KISR)**

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**IAEA NUCLEAR DATA SECTION, WAGRAMERSTRASSE 5, A-1400 VIENNA**

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### **Nuclear Data Project in Kuwait**

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#### Mass Chain Evaluation

The evaluation of mass 74 was submitted in September 1986 and has been accepted for publication. Work is at present in progress on mass 77. It will be submitted, most probably, in April 1987.

#### Computer Programs for Evaluation and Compilation

The computer programs, HSICC, GTOL, LOGFT, FMTCHK and PANDORA have been operated on IBM (4341) machine in KISR.

#### Development of Retrieval Systems

A mini data base system is available at KISR using complete and up-dated versions of the ENSDF and NSREF. Data dissemination is available to interested users in the countries of the Middle East, Africa and the Indian subcontinent.

#### Experimental Nuclear Spectroscopy

- (1) Our group undertook experimental work in collaboration with the nuclear laboratories at the University of Toronto and McMaster University in Canada. Nuclear spectroscopic measurements on the levels in  $^{214}\text{Po}$  as excited by the decay of  $^{214}\text{Bi}$  has been carried out in collaboration with Dr. Taylor at the University of Toronto.
- (2) Gamma-ray spectroscopic measurements of radioactivity in the air of Kuwait were started on April 30, 1986 soon after the news of the Chernobyl Nuclear Reactor accident in the Soviet Union reached Kuwait. A low level gamma radiation counting system based on a Germanium detector was employed for this purpose. Several fission fragments were identified and their activity was continuously monitored. Data on some other randomly collected samples were also obtained. A report was submitted to IAEA.