



International Atomic Energy Agency

INTERNATIONAL WORKING GROUP ON GAS COOLED REACTORS

UNCERTAINTIES IN PHYSICS CALCULATIONS FOR GAS COOLED REACTOR CORES

PROCEEDINGS OF A SPECIALISTS MEETING
ORGANIZED BY THE
INTERNATIONAL ATOMIC ENERGY AGENCY
AND HELD IN VILLIGEN, SWITZERLAND, 9-11 MAY 1990

INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, 1991

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FOREWORD

The Specialists Meeting on Uncertainties in Physics Calculations for Gas-Cooled Reactor Cores was held at the Paul Scherrer Institute (PSI), Villigen, Switzerland, 9-11 May 1990. The meeting was convened by the International Atomic Energy Agency on the recommendation of the International Working Group on Gas Cooled Reactors. It was attended by 29 participants from Austria, China, France, Germany, Japan, Switzerland, the Union of Soviet Socialist Republics and the United States of America. The meeting was chaired by Dr. Rudi Brogli, PSI, and subdivided into four technical sessions:

- 1) Analytical Methods, Comparison of Predictions with Results from Existing HTGRs, Uncertainty Evaluations
- 2) Analytical Methods, Predictions of Performance of Future HTGRs, Uncertainty Evaluations-Part 1
- 3) Analytical Methods, Predictions of Performance of Future HTGRs, Uncertainty Evaluations-Part 2
- 4) Critical Experiments - Planning and Results, Uncertainty Evaluations

The participants presented 19 papers on behalf of their countries or organizations. Each presentation was followed by an open discussion in the general area covered by the paper.

At the end of the meeting an open discussion was held regarding Directions for Future Core Physics Efforts and International Co-operation.

EDITORIAL NOTE

In preparing this material for the press, staff of the International Atomic Energy Agency have mounted and paginated the original manuscripts as submitted by the authors and given some attention to the presentation.

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