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## **Methodological Basis for Analysis and Accounting of NPP Probabilistic Safety Analysis Uncertainties**

The paper presents classification of NPP probabilistic safety analysis uncertainties and defines their main sources. It sets forth methods to perform statistical and analytical analysis of different uncertainty classes, proposes sequence of efforts related to analysis and accounting of uncertainties in making decisions on NPP safety.

*Keywords: uncertainty; probabilistic safety analysis (PSA); PSA technical element; two-phase Monte Carlo method.*