

Suggestions on FPP Primary System Design Standards from a Security Perspective

Safety design is an important part of the design of nuclear power reactor. It is a necessary step of nuclear system design and a key requirement for the reactor operation permit. In the Fusion power plant (FPP) preliminary design, the breeder blankets and heat transfer system need consider the tritium release and heat remove. There is no codes and standards for this design. In this report, the risks, safety function and classification of the blankets and heat transfer system will be discussed, and provide suggestions for developing the codes and standards.

Technical Categories Addressed

Heat transfer systems (how to extract the heat)

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