

聚变-裂变混合堆的氚工艺问题

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摘要 文章描述了聚变堆和聚变-裂变混合堆的氚工艺问题。根据聚变堆和聚变-裂变混合堆的特点讨论了对包层氚增殖材料的要求,列举了几种可作氚增殖的合理材料特性。给出了几种从包层提取氚和从废聚变燃料中回收氚的方法。最后对混合堆的氚安全及防护问题进行了讨论。

关键词

分类号

TRITIUM TECHNOLOGY FOR THE FUSION-FISSION HYBRID REACTOR

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Abstract Tritium technology for the pure Fusion reactor and Fusion-Fission hybridreactor are described in this paper. Specifications for tritium breeding material onthe basis of characteristics of t he pure Fusion reactor and Fusion-Fission hybridreactor are discussed. Some main methods of tritium extraction from blanket andof tritium recovery from wast fusion fuel are given. Problems of tritium safetyand protection for pure Fusion reactor and Fusion-Fission hybrid reactor also arediscussed.

Key words

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通讯作者

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