

核

技

术

二〇一八年三月

第四十一

卷

第三期

科

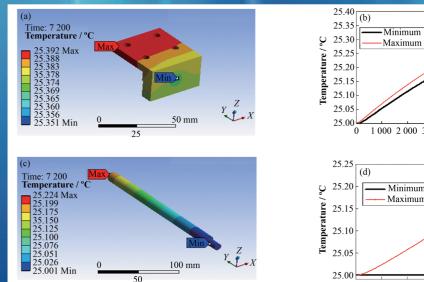
学 出 版 社



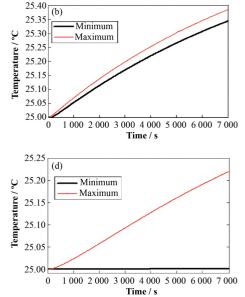
ISSN 0253-3219 CN 31-1342 / TL **CODEN:NUTEDL**

NUCLEAR TECHNIQUES

Vol.41 No.3 2018.3



100 mm



开光后2 h挡块与推杆的温度变化 (P.030101)

(a) 挡块温度分布,(b) 挡块温升曲线,(c) 推杆温度分布,(d) 推杆温升曲线

第41卷 第3期

核技术

2018年3月



目 次

同步辐射技术及应用

《核技术》优秀期刊论文与优秀编委评选揭晓 第十五届中国国际核工业展览会信息

Nuclear Techniques

Vol.41 No.3 March 2018

Contents

SYNCHROTRON RADIATION TECHNOLOGY AND APPLICATIONS
Optimized rotation mechanism of the toroidal mirror at grating monochromator system
Management and query system for the beamline operation data based on Archiver Appliance at SSRF
Experimental study on phase space reconstruction of high-brightness electron beam
Compensating abrupt current for accelerator power supply
LOW ENERGY ACCELERATOR, RAY AND APPLICATIONS
The assessment for the effects of multiple combined variance reduction techniques in shielding computation on an electron irradiation
accelerator
Penetrating depth for ion with low energy implanted in plant seeds
WANG Binrong YOU Yanhua YANG Xiaoli HU Haiyun (030202)
NUCLEAR CHEMISTRY, RADIOCHEMISTRY, RADIOPHARMACEUTICALS AND NUCLEAR MEDICINE
Acute apoptosis of mice bone marrow dendritic cells induced by ionizing irradiation
NUCLEAR ELECTRONICS AND INSTRUMENTATION Optimization design for energy response of the mobile radioactive gas monitor
Construct of remote control and monitor system for proton injector based on EPICS
ZHANG Gencan JIANG Geyang LI Deming LIU Yonghao (030402)
NUCLEAR PHYSICS, INTERDISCIPLINARY RESEARCH
Comparison and analysis of several typical algorithms in solving depletion equations TAN Jie ZHANG Peng (030501)
Development and preliminary test of date library ANDL-ADS for accelerator-driven systems
NUCLEAR ENERGY SCIENCE AND ENGINEERING
Uncertainty quantification study of CFD on the rod bundle flow SHEN Hao XIONG Jinbiao CHENG Xu (030601)
Assessment of heat transfer phenomenon scaling distortion in CERT
Nuclear accident consequence prediction and assessment system and its applications
Shielding calculation of LBE target flow pipeline in ADS
LIU Zhaoqing ZHAO Zelong YANG Yongwei HONG Shuang MENG Haiyan (030604)