Special issue on
ARIES-ACT Design Study

TECHNICAL PAPERS


22 ARIES-ACT1 System Configuration, Assembly, and Maintenance / X. R. Wang, M. S. Tillack, C. Koehly, S. Malang, H. H. Toudeshki, F. Najmabadi, ARIES Team

49 Design and Analysis of the ARIES-ACT1 Fusion Power Core / M. S. Tillack, X. R. Wang, D. Navaei, H. H. Toudeshki, A. F. Rowcliffe, F. Najmabadi, ARIES Team


107 Neutronics Characteristics and Shielding System for ARIES-ACT1 Power Plant / L. El-Guebaly, L. Mynsberge, ARIES-ACT Team

125 Plasma Heat-Flux Dispersal for ACT1 Divertor Configurations / M. E. Rensink, T. D. Rognlien


158 Thermomechanical Analysis for an All-Tungsten ARIES Divertor / James P. Blanchard, Carl Martin

167 ARIES-ACT1 Safety Design and Analysis / Paul W. Humrickhouse, Brad J. Merrill

179 Activation and Environmental Aspects of ARIES-ACT1 Power Plant / L. El-Guebaly, L. Mynsberge, C. Martin, D. Henderson, ARIES-ACT Team

(Continued)
CONTENTS / JANUARY 2015—VOL. 67, NO. 1

(Continued)


220  Physics Basis for a Conservative Physics and Conservative Technology Tokamak Power Plant: ARIES-ACT2 / C. E. Kessel, F. M. Poli