PAPERS PRESENTED AT THE IEEE
14TH SYMPOSIUM ON FUSION ENGINEERING
BY THE ALCATOR C-MOD ENGINEERING STAFF
OCTOBER 1991

ALCATOR C-MOD
S. Fairfax and the Alcator Group
pp. 1-6

ALCATOR C-MOD TOROIDAL FIELD MAGNET ASSEMBLY
William Beck
pp. 7-9

PROPOSED STANDARDS FOR MAGNETIC STRUCTURAL DESIGN
H. Becker, P. Titus
pp. 10-14

THE ALCATOR C-MOD CONTROL SYSTEM
J. Bosco, S. Fairfax
pp. 15-18

TEMPERATURE CONTROL AND MAGNET INSTRUMENTATION IN
ALCATOR C-MOD
William M. Burke, Jr.
pp. 19-22

FABRICATION OF ALCATOR C-MOD OHMIC HEATING COIL
AND COAXIAL BUS
J. Daigle
pp. 23-26

THYRISTOR DC CIRCUIT BREAKERS FOR ALCATOR C-MOD
S. Fairfax, K. Sueker
pp. 27-30

DESIGN AND CONSTRUCTION OF THYRISTOR DC CIRCUIT BREAKERS FOR
ALCATOR C-MOD
Keith H. Sueker, Stephen A. Fairfax
pp. 31-35
ALCATOR C-MOD ENVIRONMENTAL HEALTH AND RADIATION PROGRAM
DEVELOPMENT
T. Fuller, C.L. Fiore
pp. 36-39

DESIGN OF LIMITER/DIVERTOR FIRST-WALL COMPONENTS
FOR ALCATOR C-MOD
B. LaBombard, B. Lipschultz, S. Kochan
pp. 40-45

POWER SUPPLIES FOR POLOIDAL MAGNETS IN THE ALCATOR C-MOD
TOKAMAK
J.S. Paranay, S. Fairfax
pp. 46-49

SIGNAL CONDITIONING ELECTRONICS AND PACKAGING FOR THE
ALCATOR C-MOD TOKAMAK
W. Parkin
pp. 50-53

ENGINEERING DESIGN AND ANALYSIS OF THE ALCATOR C-MOD
TWO-STRAP ICRF ANTENNA
Y. Takase, S. Golovato, M. Porkolab, K. Bajwa, H. Becker, D. Caldwell
pp. 54-57

Plasma Fusion Center
Massachusetts Institute of Technology
Cambridge, MA 02139

October 1991