

SUBJECT INDEX

nuclear technology®



American Nuclear Society
Scientific Publications

Volume 185, Numbers 1, 2, and 3
January, February, and March 2014

CITATIONS ARE BY PAGE NUMBER AND ISSUE

- A**
Annular fuel rods, PWR, 109-2
- B**
Brayton cycle, 281-3
Burnup credit, 39-1, 57-1
BWR, UNF, 322-3
- C**
Cask, transport UNF, 208-2
CeBr₃(Ce) detector, 309-3
Combined cycle, 281-3
Computer codes
 AMBER, 322-3
 CASMO/SIMULATE, 39-1
 CITATION, 270-3
 DRAGON, 174-2
 KENO, 57-1
 MCNP, 57-1, 85-1
 ORIGEN, 208-2, 322-3
 PERKY, 270-3
 RELAP5, 1-1, 227-3
 SAS4A, 21-1
 SCALE, 57-1, 208-2
 SERPENT, 174-2
 SNPERT, 270-3
 TOUGH2, 322-3
 TSUNAMI, 39-1
 TWOTRAN, 270-3
Control decoupling SCWR, 239-3
Core
 accident, 21-1
 simulator, 71-1
- D**
Detector size, gamma, 309-3
- F**
Fast Na-cooled reactor, 21-1
Fluoride-salt-cooled reactor, 281-3
Fuel
 cycle, dose, 192-2
 depletion, 39-1
 TRISO particles, 227-3
- G**
Gamma detector, size effect, 309-3
Geologic repository release, 322-3
- H**
Heat transfer, UNF, 208-2
HEU core conversion, 1-1
HTGR, 227-3
- I**
IFR, 100-1
- K**
Kinetics, 109-2
- L**
LEU core conversion, 1-1
Loss of circulation, HTGR, 227-3
- M**
Microfluids, solution sampling, 216-2
Moderator temperature coefficient,
 127-2, 147-2
Molten salt reactor, 100-1
MSBR, 100-1
- N**
Na-cooled reactor, 21-1
Na void coefficient, 270-3
Neutron beam facility, 85-1
Nuclear fuel, see Fuel
Nyquist array, 239-3
- O**
Occupational dose, 192-2
- P**
Pebble bed reactor, 259-3
Pebble position, 259-3

PWR

fuel depletion, 39-1
reactivity, 109-2
Th fuel, 127-2, 147-2
used fuel pool criticality, 57-1

R

Radiation dose, workers, 192-2
Radioactive solution sampling, 216-2
Radioactive waste management,
100-1
RBMK-1500, UNF, 322-3
Reactivity insertion, 1-1
Repository release, 322-3

S

Sampling, radioactive solution, 216-2
SCWR, 239-3
Simulator, core, 71-1
Sodium, see Na
Spent nuclear fuel, see UNF
Supercritical water reactor, 239-3

T

Thermal-hydraulics PWR, 109-2
Th fuel, PWR, 127-2, 147-2
TRIGA, 85-1
TRISO particles, 227-3
TRU
burning, 127-2, 270-3

recycling, 147-2
Two-fluid model, 296-3

U

UNF
BWR, RBMK-1500, 322-3
decay heat, 208-2

V

Viscosity, artificial, 296-3

W

WWER (VVER)-440 UNF, 208-2

