

General Subject Index

Volume 178: September, October, November, December 2014

- $^{238}\text{U}(n,\gamma)$ and $(n,2n)$ reaction cross section, 66
 ^{252}Cf , 250
 $^7\text{Li}(p,n)$ reaction, 67
 β_{eff} , 363
- A
- Acceleration methods, 1
Averaged momentum equation, 225
- B
- B&W Spectral Shift Control Reactor, 524
Benchmark, 335, 363, 387, 401, 414, 496, 539, 550
 experiments, 377
Beryllium reflector, 479
Best-estimate methods, 119
BFS, 377
Buildup factors, 42
Buoyancy, 240
Burnup reactivity coefficient, 350
- C
- CFD, 86, 103
Core disruptive accident, 202
Correlated neutrons, 250
Correlation, 311
Criticality, 295, 326, 496, 524
 calculation, 29
Cross section, 261
- D
- Database, 280
Delayed neutrons, 459
Discrete ordinates, 42
Dispersed flow, 225
- E
- ETA-I, 539
ETA-II, 539
Exnihilo, 172
- F
- Fast reactor, 76
Fatigue, 76
Fission, 57, 250
 products, 562
 source convergence, 29
Flow-induced vibration, 76
Fluoride salt-cooled high temperature test reactor, 86
FRAPCON, 172
- H
- Heavy liquid metal-cooled reactors, 240
HEU, 479
 sphere, 446
HTGR, 414
HTTR, 414
- I
- IFA-597, 172
Integral benchmarks, 269
 data applications, 295
Integral experimental data, 429
International Reactor Physics
 Experiment Evaluation
 Project (IRPhEP), 269, 280, 295, 311, 335, 377, 401, 459, 509, 562
International Criticality Safety
 Benchmark Evaluation
 Project (ICSBEP), 269, 295
Iteration methods, 1
- J
- JOYO, 350
- L
- Liquid scintillators, 250
LOCA, 103
- M
- MINERVE reactor, 562
Monte Carlo, 29
Multiaxial stress, 76
- N
- Neutron, 261
 transport, 1
NRAD, 550
Nuclear
 cross sections, 57
 energy, 186
 fuel cycle, 186
- O
- Offline gamma ray spectrometric technique, 66
ORSphere, 446
- P
- PBR, 387
Postaccident heat removal, 240
Probabilistic evaluation, 76
PWR-MOX, 509
- R
- Radiation protection, 42
Radiative heat transfer, 103
Random vibration, 76
Reaction rate, 156, 496
Reactor physics, 156, 377
 benchmark, 156, 280, 446, 479
Reactor noise, 459
- S
- SNEAK, 363
Sodium-cooled fast reactor, 202
Sodium void worth, 326
Spatial correlation, 16
Stochastic medium, 16
Structural integrity, 76
Structural materials, 429
System analysis and optimization, 186

T
TALYS 1.4, 66
Thermal disadvantage factor, 524
Thermal hydraulics, 86
Thulium, 261
Titanium, 429
Tolerance limits, 119
TRIGA, 550
TRISO, 387

U
Uncertainty, 311
analysis, 119
Uranium, 57, 446

V
VENUS-7, 509
VENUS-9, 509

Very-High-Temperature Reactor Critical
Assembly (VHTRC), 401

W
Wall drag, 225
Weierstrass function, 16

Z
ZPPR, 335
ZPPR-12, 326