[WeP] Poster Session 3
Wednesday, July 12, 2017 / 12:30-14:30
1F, Exhibition Hall

WeP 1
Study of the Advanced Multi-Phases Steels by Neutron Scattering
BAEK SEOK SEONG1,2, Sae’d Hashem Al Momani2,3, Mahmoud Yaseen Suaifan2,3, Eunjoo Shin1, Wan Chuck Woo1, and Shi-Hoon Choi4
1KAERI, Korea, 2UST, Korea, 3JRTR, Jordan, 4Sunchon Nat’l Univ., Korea

WeP 2
Study on the Hydrogen Induced Cracking (HIC) of API-X80 Steels by Small Angle Neutron Scattering and Ultrasonic Testing
Y. Baik1, M. R. Kim2, Yong Choi1, E. J. Shin3, B. S. Seung3, and Y.S. Han3
1Dankook Univ., Korea, 2MiCo Ltd., Korea, 3HANARO, KAERI, Korea

WeP 3
Microstructure and Neutron Transmission Absorption Behavior of 0.02-0.32% Gd-Duplex Stainless Steels
B. K. Kang1, Y. Baik1, Yong Choi1, B. M. Moon2, S. G. Bogdanov3, and A. N. Pirogov3
1Dankook Univ., Korea, 2KITECH, Korea, 3RAS, Russia

WeP 4
D50: The Industrial Instrument at the ILL
Jaime Segura1, Duncan Atkins1, Benjamin Giroud1, Alessandro Tengattini2, Edward Andò2, Cino Viggiani2, Robert Cubitt1 and Jerome Beaucour1
1ILL, France, 2CNRS, France

WeP 5
Combined Neutron and X-Ray Reflectivity Characterization of Key Interfaces for the Microelectronics Industry
Jaime Segura1, Philipp Gutfriend1, Anne Ponard2, Gregory Imbert2, Fabien Roze2, Olivier Gourhant2, François Bertin3, Marwan Tedjini3, Frank Fournel3, Robert Cubitt1, and Jerome Beaucour1
1ILL, France, 2STMicroelectronics, France, 3CEA, France
WeP 6
Neutron Diffraction Analysis of Ultrasonic Wet-Magnetic Separated Ni$_x$Zn$_{1-x}$Fe$_2$O$_4$
Nano-powders Formed by Self-Propagating High Temperature Synthesis
M. S. Gu$^1$, Yong Choi$^1$, and B.S. Seung$^2$
$^1$Dankook Univ., Korea, $^2$HANARO, Korea

WeP 7
A Program for Supporting Small and Medium Sized Enterprises with Neutron Beam Instruments
Sang Jin Cho
KAERI, Korea

WeP 8
The Upgraded D16 Cold-Neutron Diffractometer at the ILL
Bruno Demé and Viviana Cristiglio
ILL, France

WeP 9
Performance Test on Neutron Polarization Analysis Capability of PELICAN -Time of Flight Cold Neutron Spectrometer
Tim D'ADAM, Wai-Tung Lee$^1$, Richard A Mole$^1$, and Dehong Yu
ANSTO, Australia

WeP 10
Neutron Depth Profiling: Pushing a Method towards Fast, High Resolution Measurements
Egor Vezhlev$^1$, Alexander Ioffe$^1$, Stefan Mattauch$^1$, Jiri Vacik$^2$, Ivo Tomandl$^2$, and Thomas Brückel$^1$
$^1$JCNS at MLZ, Germany, $^2$Nuclear Physics Inst., Rez, Czech

WeP 11
Man-Ho Kim
KIST, Korea
WeP 12

A Compact Photo-Neutron Source Driven by 15 MeV Electron Linac
Xiaohe Wang, Jianlong Han, Xiangzhou Cai, Jingen Chen, Jifeng Hu, Hongwei Wang, Longxiang Liu, and Meng Zhang
CAS, China

WeP 13

SKADI - Highly Versatile SANS at ESS
Sebastian Jaksch¹, Henrich Frielinghaus¹, Jacques Jestin², Sylvain Désert², and Romuald Hanslik³
¹JCNS at MLZ, Germany, ²LLB, France, ³ZEA-1, Germany

WeP 14

Advances in Neutron Reflectometry Techniques: Coherent Summing and Refractive Encoding
Robert Cubitt, Thomas Saerbeck, Philipp Gutfreund, Campbell Richard, Barker Robert, and Jaime Segura
ILL, France

WeP 15

The Recent Progress and Application of Neutron Powder Diffractometer at CMRR
Yuanhua Xia, Lei Xie, Xiping Chen, Leiming Fang, Guangai Sun, and Bo Chen
Inst. of Nuclear Physics and Chemistry, China

WeP 16

CAMEA - A Novel Multiplexing Analyzer for Neutron Spectroscopy
Felix Groitl¹,², Dieter Graf², Jonas O. Birk², Marton Marko²,³, Marek Bartkowiak², Uwe Filges², Raphael Muller², Christof Niedermayer², Christian Ruegg²,³, and Henrik M. Ronnow¹,⁵
¹EPFL, Switzerland, ²PSI, Switzerland, ³Wigner Research Centre for Physics, Hungary, ⁴Univ. of Geneva, Switzerland, ⁵Univ. of Copenhagen, Denmark

WeP 17

Luminosity Class of Neutron Reflectometers
Nikolay Pleshanov
Kurchatov Inst., Russia
WeP 18
Polarization Analysis on the LET Time-of-Flight Spectrometer
Gøran Nilsen, Jan Kosata, Robert Bewley, Mark Devonport, and Ross Stewart
ISIS, UK

WeP 19
MARIA - The High-Intensity Polarized Neutron Reflectometer of J CNS
Stefan Mattauch¹, Alexandros Koutsioubas¹, Sabine Puetter¹, Amir Syed Mohd¹, Earl Babcock¹,
Zahir Salhi¹, Alexander Ioffe¹, and Thomas Brückel²
¹JCNS at MLZ, Germany, ²JCNS at MLZ and PGI, JARA-FIT, Germany

WeP 20
Neutronics Analysis of Target, Moderators and Reflector Design Options for
the ISIS TS-1 Project
Goran Skoro, Steven Lilley, and Rob Bewley
ISIS, UK

WeP 21
Low Dimensional Thermal and Cold Finger Moderator for the High Brilliance
Neutron Source Jülich
Tobias Cronert¹, Jan Philipp Dabruck², Sarah Böhm², Paul Zakalek¹, Johannes Baggemann¹,
Paul Emmanuel Doege¹, Marcel Klaus³, Yannick Beßler¹, Ulrich Rücker¹, Carsten Lange³,
Eric Mauerhofer¹, Thomas Gubertlet¹, Michael Butzek¹, Rahim Nabbi², and Thomas Brückel²
¹JCNS at MLZ, Germany, ²RWTH Aachen, Germany, ³TU Dresden, Germany

WeP 22
The Elastic Scattering Spectroscopy (ESS): a New Neutron Spectroscopy for
Dynamics of Complex (Bio-) System from Elastic Scattering
Antonio Benedetto¹,² and Gordon J. Kearley³
¹Univ. College Dublin, Ireland, ²PSI, Switzerland, ³UNSW Australia, Australia

WeP 23
Search for New Gravity-Like Forces using Neutron Scattering Instruments and
Possible Reductions of Systematic Uncertainties
Yoshio Kamiya¹, Koji Yamada¹, Keita Itagaki¹, Misato Tani³, Guinyun Kim², Robert Cubitt³,
Oliver Zimmer³, and Sachio Komamiya¹
¹Univ. of Tokyo, Japan, ²Kyungpook Nat’l Univ., Korea, ³ILL, France
WeP 24
About the Versatility of the State-of-the-Art Usans Instrument Kookaburra
Christine Rehm and Liliana de Campo
ANSTO, Australia

WeP 25
SPATZ: The Second Time-of-Flight Neutron Reflectometer at the OPAL Research Reactor
Anton Le Brun, Stewart Pullen, Paris Constantine, James Spedding, David Roach, Andrew McGregor, John Affleck, and Jason Christoforidis
ANSTO, Australia

WeP 26
Quokka - 40 Metre Reactor based Monochromatic Small Angle Neutron Scattering Instrument
Christopher J. Garvey¹, Elliot P. Gilbert¹, Jitendra Mata¹, Kathleen Wood¹, and Chun-Ming Wu²
¹ANSTO, Australia, ²Nat’l Synchrotron Radiation Research Center, Taiwan

WeP 27
The Neutron Guide System of the ODIN Imaging Beamline at ESS
Manuel Morgano¹, Michael Lerche², Eberhard Lehmann¹, and Markus Strobi³
¹PSI, Switzerland, ²TU Munich, Germany, ³ESS, Sweden

WeP 28
Dedicated Function Deriving Neutron Spectra of Beryllium Target Bombarded by Protons with Energy less than 12 MeV for Compact Sources
Yasuo Wakabayashi¹, Atsushi Taketani¹, Yoshimasa Ikeda¹, Takao Hashiguchi¹, Tomohiro Kobayashi¹, Sheng Wang², Mingfei Yan², Masahide Harada³, Yujiro Ikeda¹,³, and Yoshie Otake¹
¹RIKEN, Japan, ²Jiaotong Univ., China, ³JAEA, Japan

WeP 29
Recent Developments on the D7 Diffuse Scattering Spectrometer at the ILL
Lucile Mangin-Thro¹, Gøran Nilsen¹², Katherine Brown¹³, Benjamin Giroud¹, Wayne Clancy¹, and Andrew Wildes¹
¹ILL, France, ²ISIS, UK, ³Univ. of Edinburgh, UK
WeP 30

Svemir Rudic1, Roberto S. Pinna1,2, Stewart F. Parker1, Jeff Armstrong1, Matteo Zanetti1,2, Simon P. Weller1, Daniel Zacek1, Clive Smith1, Matthew Capstick1, David McPhail1, Daniel Pooley1, Gareth Howells3, Giuseppe Gorini2, and Felix Fernandez-Alonso1,3
1ISIS, UK, 2Univ. of Milano-Bicocca, Italy, 3Univ. College London, UK

WeP 31

Comprehensive Study of Proton and Deuteron Performances Used for Neutron Production in Compact Accelerator Based Neutron Sources
Paul Zakalek1, Tobias Cronert1, Paul-Emmanuel Doege1, Johannes Baggemann1, Ulrich Rücker1, Thomas Gutberlet1, Yannick Beßler1, Michael Butzek1, Sarah Böhm2, Jan Philipp Dabruck2, Rahim Nabbi2, and Thomas Brückel1
1JCNS at MLZ, Germany, 2RWTH Aachen, Germany

WeP 32

IN13+: New Perspectives for the High Resolution Thermal Backscattering CRG Spectrometer at ILL
Francesca Natali1,2, Judith Peters2,3, Luc Didier2, and Andrew Dennison2,3
1CNR-IOM, Italy, 2ILLFrance, 3Univ. Grenoble Alpes, France

WeP 33

Wide Angle Spin Analysis using Polarising Supermirrors
Michael Schneider1, Peter Böni1, Uwe Filges2, Yusuke Nambu3, Masaki Fujita3, Tetsuya Yokoo4, Shinichi Itoh4, and Christian Schanzer1
1SwissNeutronics AG, Switzerland, 2PSI, Switzerland, 3Tohoku Univ., Japan, 4KEK, Japan

WeP 34

Round Robin Sample for Neutron Reflectometry
Andrew Nelson1, Joseph Dura2, Charles Majkrzak2, and Robert Newby2
1ANSTO, Australia, 2NIST, USA

WeP 35

T-REX: A Bispectral Chopper Spectrometer at the European Spallation Source
Nicolò Violini1, Thomas Brückel1, Jörg Voigt1, Andrea Orecchini2,3, Alessandro Paciaroni3, Marco Zanatta1, and Francesco Sacchetti3
1JCNS at MLZ, Germany, 2Consiglio Nazionale Delle Ricerche, Italy, 3Università degli Studi di Perugia, Italy
WeP 36
TOF-MIEZE Experiments with BL06 VIN ROSE at J-PARC Materials and Life Science Experimental Facility
Hitoshi Endo1, Tatsuro Oda2, and Masahiro Hino2
1KEK & J-PARC, Japan, 2Kyoto Univ., Japan

WeP 37
Small-Angle Neutron Scattering Machine with Polarized Option for PIK Reactor
Ivan Shishkin1, Evgeniy Moskvin1, Helmut Eckerlebe2, and Sergey Grigoriev1
1PNPI, Russia, 2HZG, Germany

WeP 38
Small-Angle Neutron Scattering Machine with Polarized Option for PIK Reactor
Ivan Shishkin1, Evgeniy Moskvin1, Helmut Eckerlebe2, and Sergey Grigoriev1
1PNPI, Russia, 2HZG, Germany

WeP 39
Multiple Bragg Reflections (MBR) of Neutrons Accompanying a Strong Allowed Reflection of Bent Perfect Crystal (BPC) at a Constant Neutron Wavelength
Pavol Mikula1, Miroslav Vr ána1, Jan Saroun1, Baek-Seok Seong2, Wanchuck Woo2, and Chang-Hee Lee2
1Nuclear Physics Institute ASCR, v.v.i. Rez, Czech, 2KAERI, Korea

WeP 40
New Type of Dispersive Sandwich Type Neutron Monochromator for High Resolution Diffractometry/Spectrometry at a Steady State Neutron Source
Pavol Mikula1, Miroslav Vr ána1, Jan Saroun1, Baek-Seok Seong2, Wanchuck Woo2, and Vyacheslav Em3
1Nuclear Physics Institute ASCR, v.v.i. Rez, Czech, 2KAERI, Korea, 3Kurchatov Institute, Russia

WeP 41
Mirror based Neutron Beam Deflectors for Neutron Scattering Instrument Applications
Charles Dewhurst
ILL, France
WeP 42
Recent Developments of the Solid-State Neutron Detector (SoNDe) Project
Sebastian Jaksch
JCNS at MLZ, Germany

WeP 43
KWS-1 High-Resolution Small-Angle Neutron Scattering Instrument
JCNS, Germany

WeP 44
The General Purpose Powder Diffractometer at CSNS
Jie Chen¹, Le Kang¹, Huaile Lu¹, Ping Luo¹, and Lunhua He²
¹Inst. of High Energy Physics, China, ²Inst. of Physics, China

WeP 45
Using Wave Field Enhancement to Enable Inelastic Scattering Studies of Hydrogen Diffusion in Thin Films
Max Wolff¹, Franz Adlmann¹, Joe Dura², Anton Devishvili³, Gunnar Palsson¹, and Boris Toperverg⁴
¹Uppsala Univ., Sweden, ²NCNR, NIST, USA, ³Lund Univ., Sweden, ⁴Bochum Univ., Germany

WeP 46
Simulations of Neutron Scattering Data for the Engineering Diffractometer BEER at ESS
Jan Saroun¹, P?emysl Beran¹, Jochen Fenske², Mustapha Rouijaa², and Gregor Nowak²
¹CAS, Czech, ²HZG, Germany

WeP 47
Reinstallation of the Thermal Neutron Triple-Axis Spectrometer at HANARO
Byoungil Jeon and Baek-Seok Seong
KAERI, Korea
WeP 48
Polarized Neutron Reflectometry Carried out at the Time-of-Flight Neutron Reflectometer REFSANS using a $^3$He Spin Filter
Wolfgang Kreuzpaintner$^1$, Sergey Masalovich$^1$, Jean-Francois Moulin$^2$, Birgit Wiedemann$^1$, Jingfan Ye$^1$, Sina Mayr$^1$, Amitesh Paul$^1$, Martin Haese$^3$, Matthias Pomm$^2$, and Peter Böni$^1$
$^1$TU Munich, Germany, $^2$HZG, Germany

WeP 49
Recent Upgrades for the New Small-Angle Neutron Scattering Instrument SANS-1 at MLZ
Andre Heinemann$^1$, Sebastian Muehlbauer$^2$, Sebastian Busch$^1$, Andreas Wilhelm$^2$, and Lukas Karge$^2$
$^1$HZG, Germany, $^2$FRM II, Germany

WeP 50
EMU, the Backscattering Spectrometer at the Australian Centre for Neutron Scattering
Gail Iles, Nicolas de Souza, and Alice Klapproth
ANSTO, Australia

WeP 51
Small Angle and Inelastic Scattering Investigation of Nanodiamonds
John Osborn, Tunay Ersez, and Weijian Lu
ANSTO, Australia

WeP 52
PELICAN, the Time-of-Flight Spectrometer at the Australian Centre for Neutron Scattering
Gail Iles, Richard Mole, and Dehong Yu
ANSTO, Australia

WeP 53
Neutron Scattering Installation for In Situ High Pressure Studies
Serg Axenov$^1$, Ravil Sadykov$^1$, Dmitriy Trunov$^3$, Viktor Marin$^1$, Vasily Litvin$^{1,2}$, Evgeniy Clementyev$^{1,3}$, Andrey Alekseev$^2$, July Lebed$^1$, and Pavel Alekseev$^4$
$^1$RAS, Russia, $^2$State Univ., Russia, $^3$Immanuel Kant Baltic Federal Univ., Russia, $^4$Kurchatov Inst., Russia
WeP 54
Time-of-Flight Direct Geometry Spectrometer 4SEASONS at J-PARC
Ryoichi Kajimoto¹, Mitsutaka Nakamura¹, Kazuya Kamazawa², Yasuhiro Inamura¹, Kazuhiko Ikeuchi², Kazuki Iida², Motoyuki Ishikado², and Naoki Murai¹
¹J-PARC, Japan, ²CROSS, Japan

WeP 55
The Cold-Neutron Triple-Axis Spectrometer SIKA at OPAL
Guochu Deng¹, Shinichiro Yano², Chun-Ming Wu², Jen-Chih Peng², Eno Imamovic³, Peter Vorderwisch³, Wen-Hsien Li³, and Jason S. Gardner³
¹ANSTO, Australia, ²Nat’l Synchrotron Radiation Research Center, Taiwan, ³Nat’l Central Univ., Taiwan

WeP 56
An-Ultra Compact In-Situ ³He Polarizer for High Q-Range SANS
Zahir Salhi, Earl Babcock, Kendal Bingöl, Aurel Radulescu, and Alexander Ioffe
JCNS, Germany

WeP 57
D10+: A New 4-Circle, Triple Axis Spectrometer of the ILL Endurance Program
Bachir Ouladdiaf¹, Navid Qureshi¹, John Allibon¹, John Archer¹, Philippe Decarpentrie¹, and Laurent Chapon²
¹ILL, France, ²Diamond, UK

WeP 58
Study of Magnetic and Quantum Phenomena at Heinz Maier-Leibnitz Zentrum (MLZ), Garching, Germany
Petr Čermák¹, Sultan Demirdiş¹, Artem Feoktystov¹, Christian Franz², Zhendong Fu¹, Robert Georgii², Thomas Keller³, Stefan Mattauch¹, Sebastian Mühlbauer³, Kirill Nemkovski¹, Jitae T. Park², Sabine Pütter¹, Astrid Schneidewind¹, Markos Skoulatos², Amir Syed Mohd¹, Oleg Sobolev²,³, and Yixi Su¹
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WeP 59
Redesign and Fabrication of the Monochromator Shielding of the Cold Neutron Triple-Axis Spectrometer at HANARO
Ji-myung Ryu, J. M. Sungil Park, and Baek Seok Seong
KAERI, Korea

WeP 60
Current Status of AMATERAS - A Cold-Neutron Disk-Chopper Spectrometer -
Kenji Nakajima, Seiko Ohira-Kawamura, Tatsuya Kikuchi, Maiko Kofu, Yasuhiro Inamura, Kazuhiro Aoyama, and Daisuke Wakai
J-PARC, Japan

WeP 61
Performances of Oscillating Radial Collimator for the Fermi Chopper Spectrometer 4 SEASONS at J-PARC
Mitsutaka Nakamura¹, Wataru Kambara¹, Ryoichi Kajimoto¹, Kazuya Kamazawa², Kazuhiro Ikeuchi³, Kazuki Iida³, Motoyuki Ishikado³, and Kazuhiro Aoyama¹
¹J-PARC, Japan, ²CROSS, Japan

WeP 62
FIREPOD - the Fine Resolution Powder Diffractometer @ Berlin Research Reactor BER II
Alexandra Franz¹, Andreas Hoser¹, and Susan Schorr¹,²
¹HZB, Germany, ²Freie Univ., Germany

WeP 63
FALCON - A Laue Diffractometer for Ambient and Non-Ambient Neutron Structural Analysis
Michael Tovar¹, Dirk Wallacher¹, Katharina Fritsch¹, Klaus Habicht¹, Hans-Jürgen Bleif¹, Susan Schorr¹,², and Alexander Franz¹
¹HZB, Germany, ²Freie Univ. Berlin, Germany

WeP 64
Experimental Setup for Investigation on Magnetic Thin Layers by In-Situ Neutron Reflectometry
Jingfan Ye¹, Wolfgang Kreuzpaintner¹, Birgit Wiedemann¹, Sina Mayr¹, Andreas Schmehl², Thomas Mairoser², Alexander Herrmberger², Jean-François Moulin³, Jochen Stahn⁴, Panos Korelis⁵, Martin Haese³, Matthias Pomm³, Amitesh Paul¹, Peter Böni⁵, and Jochen
¹TU Munich, Germany, ²Univ. of Augsburg, Germany, ³HZG, Germany, ⁴PSI, Switzerland, ⁵Max-Planck-Inst. for Solid State Research, Germany
WeP 65
Upgrade of the MARI Spectrometer at ISIS
M. D. Le, T. Guidi, S. P. Waller, D. Zacek, J. R. Stewart, and R. I. Bewley
ISIS, UK

WeP 66
Development of the Three-Axis Spectrometer IN8 at ILL
Alexandre IVANOV and Andrea PIOVANO
ILL, France

WeP 67
A Study on Stress-Strain Relationship of the Constituent Phases in Lightweight Duplex Steel (LW-DS) using Crystal Plasticity Finite Element Method
Eun-Young Kim¹, Wan-Chuck Woo², Dong-Kyu Kim², and Shi-Hoon Choi¹
¹Sunchon Nat’l Univ., Korea, ²KAERI, Korea

WeP 68
Simulation of Coherent Inelastic Neutron Scattering in McStas
Henrik H. Carlsen and Kim Lefmann
Univ. of Copenhagen, Denmark

WeP 69
Single Crystal Diffraction Studies with Hot Neutrons on HEIDI/MLZ
Martin Meven¹², Andrew Sazonov¹², and Georg Roth¹
¹RWTH Aachen Univ., Germany, ²JCNS at MLZ, Germany

WeP 70
Powder Diffraction at the Australian Centre for Neutron Scattering: Recent Results and Capabilities
Vanessa Peterson, Andrew Studer, Helen Maynard-Casely, James Hester, Max Avdeev, and Chin-Wei Wang
ACNS, Australia

WeP 71
Neutron Scattering Instruments of the MLF Spectroscopy Group at J-PARC
Ryoichi Kajimoto¹, Tetsuya Yokoo², Mitsutaka Nakamura¹, Kaoru Shibata¹, Yukinobu Kawakita¹, Masato Matsuura¹, Hitoshi Endo², Hideo Otsu³, Shinichi Itoh³, Kenji Nakajima¹, and Seiko Ohira-Kawamura¹
¹JAERI, Japan, ²KEK, Japan, ³CROSS, Japan
WeP 72
Advancing the Reflectometry Cause at ANSTO - Updates and Upgrades to the Time-of-Flight Platypus Neutron Reflectometer
Andrew Nelson, Stephen Holt, Frank Darmann, and Frank Klose
ANSTO, Australia

WeP 73
Progress of High Resolution Powder Diffractometer in China Advanced Research Reactor
Xiaobai Ma, Wenze Han, Xinzhi Liu, Hao Guo, Gengfang Tian, Zhouxiang Yu, Liqi Wu, Kai Sun, Yuntao Liu, and Dongfeng Chen
CIAE, China

WeP 74
Data Reduction and Instrumentation towards Accurate Absolute Intensity for the TOF-SANS Instrument (iANS) at the Compact Accelerator Driven Neutron Source at Hokkaido University
Toshinori Ishida, Masato Ohnuma, and Michihiro Furusaka
Hokkaido Univ., Japan

WeP 75
The High Wavelength-Resolution Bragg-Edge Transmission Imaging Instrument at Hokkaido University Neutron Source with a Supermirror Guide-Tube Coupled to a Decoupled Moderator at Ambient Temperature
Hirotaka Sato, Tsukasa Sasaki, Shogo Ito, Takashi Kamiyama, and Michihiro Furusaka
Hokkaido Univ., Japan

WeP 76
Evaluation of HOPG Mounting Possibilities for Multiplexing Spectrometers
Felix Groitl¹², Marek Bartkowiak², Ryan M. Bergmann², Jonas O. Birk²³, Marton Markó⁴, Alex Bollhalder², Dieter Graf², Christof Niedermayer², Christian Rüegg²⁵, and Henrik M. Ronnow¹³
¹EPFL, Switzerland, ²PSI, Switzerland, ³Univ. of Copenhagen, Denmark, ⁴Wigner Research Centre for Physics, Hungary, ⁵Univ. of Geneva, Switzerland

WeP 77
Direct Bonded HOPG - Silicon Analyzer Support without Background Source
Felix Groitl¹², Hidetoshi Kitaura³, Naomi Nishiki³, and Henrik M. Ronnow¹⁴
¹EPFL, Switzerland, ²PSI, Switzerland, ³Panasonic Corporation, Japan, ⁴Univ. of Copenhagen, Denmark
WeP 78
Design and Optimization of the Time-of-Flight Prompt Gamma Activation Analysis System at CONAS based on Simulation Codes
SY MINH TUAN HOANG, GWANG MIN SUN, JISEOK KIM, HAN RIM LEE, and HANI BAEK
KAERI, Korea

WeP 79
Study of Gravity Effect on Neutron Spatial Distribution in Cold Neutron Guide by HANARO Research Reactor
Jiseok Kim¹, Chewook Yim², Hanrim Lee¹, Sy Minh Tuan Hoang¹, and Jiseung Yoon¹
¹KAERI, Korea, ²Hanyang Univ., Korea

WeP 80
An Optional Focusing SELENE Extension to Conventional Neutron Guides: A Case Study for the ESS Instrument BIFROST
Ursula Hansen¹, Mads Bertelsen¹, Jochen Stahn², and Kim Lefmann¹
¹Univ. of Copenhagen, Denmark, ²PSI, Switzerland

WeP 81
Design Specification for the European Spallation Source Neutron Generating Target Element
Adrian Aguilar¹, Fernando Sordo¹, Tomas Mora¹, Luis Mena¹, Maite Mancisidor¹, Jorge Aguilar¹, Gorka Bakedano¹, Iñigo Herranz¹, Paula Luna¹, Miguel Magan¹, Raul Vivanco¹, Felix J Villacorta¹, Kristoffer Sjogreen³, Ulf Oden³, Jose Manuel Perlado², Jose Luis Martinez¹, and F Javier Bermejo⁴
¹ESS-BILBAO, Spain, ²Instituto de Fusion Nuclear, Spain, ³ESS ERIC, Sweden, ⁴Instituto de Estructura de la Materia, Spain

WeP 82
OffSpec - the Spin Echo Enabled Reflectometer at ISIS Target Station 2
Nina-Juliane Steinke and Jos Cooper
ISIS, UK

WeP 83
Controlling Divergence as Function of Wavelength at Pulsed Sources
Jonas Okkels Birk
Univ. of Copenhagen, Denmark
WeP 84
MPISI: The Neutron Strain Scanner Materials Probe for Internal Strain Investigations at the SAFARI-1 Research Reactor
Andrew Venter, Rudolph van Heerden, Deon Marais, Christo Raaths, Zeldah Sentsho, and Tshepo Ntsoane
_Necsa SOC Limited, South Africa_

WeP 85
Design Study of a Neutron Beam Line for Imaging at the Electron Linac Driven Neutron Source at Kyoto University Research Reactor Institute
Yoshiaki Kiyangagi\(^1\), Yoshiyuki Takahashi\(^2\), Akira Uritani\(^1\), Kenichi Watanabe\(^1\), Tadafumi Sano\(^2\), Jun-ichi Hori\(^2\), and Ken Nakajima\(^2\)
\(^1\)Nagoya Univ., Japan, \(^2\)Kyoto Univ., Japan

WeP 86
Cost-Optimizing Geometry and Coating for Long ESS Guides
Martin Olsen\(^1\), Jonas O. Birk\(^1\), Sonja L. Holm\(^1,2\), Mads Bertelsen\(^1\), and Kim Lefmann\(^1\)
\(^1\)Univ. of Copenhagen, Denmark, \(^2\)Univ. of Aarhus, Denmark

WeP 87
PITSI: The Neutron Powder Diffractometer for Transition in Structure Investigations at the SAFARI-1 Research Reactor
Andrew Venter, Rudolph van Heerden, Deon Marais, Christo Raaths, Zeldah Sentsho, and Tshepo Ntsoane
_Necsa SOC Limited, South Africa_

WeP 88
Neutron Powder Diffraction Option ERWIN at Beamport 8b at MLZ
Alexander Schoeckel\(^1,2\), Martin Johann Mühlbauer\(^1,2,3\), Anatoliy Senyshyn\(^2\), Björn Pedersen\(^2\), Michael Knapp\(^1,3\), and Helmut Ehrenberg\(^1,3\)
\(^1\)KIT, Germany, \(^2\)TU Munich, Germany, \(^3\)HIU, Germany

WeP 89
Monte-Carlo Simulations for NSE and SESANS Instruments at the PIK Reactor
Konstantin Pavlov\(^1,2\), Petr Konik\(^1,2\), Ekaterina Ruvinskaya\(^1,2\), Vladimir Zabenkin\(^1\), Leonid Axelrod\(^1\), Sergey Grigoriev\(^1,2\), and Evgeny Moskvin\(^1,2\)
\(^1\)PNPI NRC KI, Russia, \(^2\)Saint Petersburg State Univ., Russia
WeP 90
The Conceptual Design of a New HRPD at JRTR
Saed Almomani1,2,3, O. Nusair3, and Seok Baek Seong1,2
1UST, Korea, 2KAERI, Korea, 3JAEC, Jordan

WeP 91
Current Status of Vertical-Type Neutron Reflectometer (CN-REF V) at HANARO
Jeong Soo Lee, June Hyuk Lee, and Jaseung Koo
KAERI, Korea

WeP 92
Instrumentation for Polarized Neutron Reflectometer G-TS in HANARO
June Hyuk Lee and Ki-Yeon Kim
KAERI, Korea

WeP 93
Thermal Single Crystal Diffractometer at IR-8.
Natalia Isakova, Kalyukanov Andrey, Miron Nikolay, and Em Vyacheslav
Kurchatov Institute, Russia

WeP 94
ZOOM Small-Angle Neutron Scattering Instrument at ISIS Pulsed Neutron and Muon Source
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WeP 95
Neutron Beam Instrumentation Overview of the Jordan Research and Training Reactor (J RTR)
Mahmoud Suaifan1,2,3, Saed Almomani1,2,3, Omar Nusair3, and Baek-Seok Seong1,2
1UST, Korea, 2KAERI, Korea, 3JAEC, Jordan

WeP 96
Polarized neutron Reflectometer with Horizontal Scattering Geometry for PIK Reactor
Vladislav Tarnavich1, Vasily Matveev1, Evgeniy Moskvin1,2, Vladislav Syromyatnikov1,2, Petr Konik1,2, Vladimir Ulyanov1, Ursula Tietze3, Helmut Eckerlebe3, and Sergey Grigoriev1,2
1Kurchatov Institute, Russia, 2Saint-Petersburg State Univ., Russia, 3HZG, Germany
**WeP 97**

Installation of a High-Resolution Potion Sensitive Scintillation Detector in the Small and Wide Angle Neutron Scattering Instrument (TAIKAN), MLF, J-PARC
Hiroki Iwase¹, Shin-ichi Takata², Toshiaki Morikawa¹, Masaki Katagiri³, Atsushi Birumachi², and Jun-ichi Suzuki¹
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**WeP 98**

Preliminary Results of Small Angle Neutron Scattering Experiments of Kyoto University Accelerator-Driven Neutron Source
Seiji Tasaki, Hiroki Matsumoto, and Yutaka Abe
*Kyoto Univ., Japan*

**WeP 99**

A Novel Data Reduction Procedure for Small-Angle Neutron Scattering Data Measured with $^3$He Tube Detectors
Lukas Karge¹, Ralph Gilles¹, and Sebastian Busch²
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**WeP 100**

Current Status of the Cold Neutron Triple-Axis Spectrometer at HANARO and Neutron Ray Tracing Results
J. M. Sungil Park, Ji-Myung Ryu, and Baek-Seok Seong
*KAERI, Korea*

**WeP 101**

Utilization of the Neutron Sources of KOMAC
Kye-Ryung Kim, Yong-Seok Hwang, Hyeok-Jung Kwon, and Yong-Sub Cho
*KAERI, Korea*

**WeP 102**

BATAN's Four Circle Diffractometer / Texture Diffractometer: Progresses and Researches
Muzakkiy Putra Muhammad Akhir and Tri Hardi Priyanto
*Nat’l Nuclear Energy Agency (BATAN), Indonesia*
WeP 103
Overview of Neutron Diffraction at Thai Research Reactor (TRR-1/M1)
Jatechan Channuie
Thailand Inst. of Nuclear Tech., Thailand

WeP 104
Capability of High Resolution Diffraction and Phonon lifetime Measurements at Oak Ridge National Laboratory
Fankang Li¹, Alexander N. Thaler¹, Hao Feng², Steven R. Parnell³, Lowell Crow¹, Thomas Keller⁴, Masaaki Matsuda¹, Jaime A. Fernandez-Baca¹, and Roger Pynn¹,²
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WeP 105
Development of a Fiber Multi-Layer ZnS/LiF Position Sensitive (FMZP) Neutron Detector System
Setsuo Satoh
KEK, Japan

WeP 106
High Pressure Clamp Cells for Neutron Scattering at LT and Magnetic Fields (10T)
Ravil Sadykov
RAS, Russia

WeP 107
Ground-up Redesign of the Solid-Liquid Sample Environment for Neutron Reflectometry
Rob Barker¹,²,³ and Simon Wood³
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WeP 108
Data Reduction For Time-of-Flight Small Angle Neutron Scattering with Virtual Neutron Experiment
Rong Du, Haolai Tian, and Junrong Zhang
CSNS, China
**WeP 109**
Status of ESS Science Support Systems - Part A: Sample Environment
Arno Hiess
*ESS ERIC, Sweden*

**WeP 110**
Status of ESS Science Support Systems - Part B: Laboratories
Arno Hiess
*ESS ERIC, Sweden*

**WeP 111**
The Development of Online Analysis Software of Multi-Reflectometer(MR) at CSNS
Lili Yan, J. R. Zhang, H. L. Tian, M. Tang, and R. Du
*Inst. of Physics, China*

**WeP 112**
In-Situ Electric Field Studies of Electro-responsive Polymers using Neutron Reflectometry
Jim Browning¹, Jason Dugger¹, Mingtao Chen², Timothy Long², Rajeev Kumar¹, and Bradley Lokitz¹
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**WeP 113**
Takin: A Visual Experiment Planning Software for Neutron Triple-Axis Spectrometers
Tobias Weber¹,², Robert Georgii², and Peter Böni¹
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**WeP 114**
Z-MEM, Maximum Entropy Method Software for Electron/Nuclear Density Distribution in Z-Code
Yoshihisa Ishikawa¹, Junrong Zhang², Ryoji Kiyanagi³, Masao Yonemura¹,⁴, Takeshi Matsukawa⁵, Akihiro Hoshikawa⁵, Toru Ishigaki⁵, Shuki Torii¹, Ryoko Tomiyasu⁶, and Takashi Kamiyama¹,⁴
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WeP 115
Experiment Planning, Simulation and Fitting of GISAS Data using Born Again Framework
Jan Burle¹, Jonathan Fisher¹, Marina Ganeva¹, Emmanuel Kentzinger¹,², Gennady Pospelov¹, Walter Van Herck¹, and Joachim Wuttke¹
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WeP 116
Proof-of-Concept for Real-Time Data Analysis at the European Spallation Source for Powder Diffraction and Small Angle Neutron Scattering
Celine Durniak, Torben Nielsen, and Thomas Rod
ESS ERIC, Denmark

WeP 117
Validation of the McStas-MCNPX Interface Features in Calculation of Shielding and Gamma/Neutron Backgrounds
SY MINH TUAN HOANG, GWANG MIN SUN, JISEOK KIM, HAN RIM LEE, and HANI BAEK
KAERI, Korea

WeP 118
Efficient Data Collection using the Multiple Single Crystals Method at SENJU
Akiko Nakao¹, Takashi Ohhara², Moyoshi Takayasu¹, Takayasu Hanashima¹, Ryoji Kiyonagir², and Koji Munakata¹
¹CROSS, Japan, ²JAEA, Japan

WeP 119
Software Development for DC-TOF
Ji-Yong So
KAERI, Korea

WeP 120
Non-Magnetic Goniometer for Dilution Refrigerators
Marek Bartkowiak and Ruchika Yadav
PSI, Switzerland
WeP 121
A Furnace Insert for Cryomagnets
Marek Bartkowiak and Jonathan S. White
PSI, Switzerland

WeP 122
The Esmeralda Suite for Laue Diffraction Data Treatment
Luis Fuentes-Montero¹, Petr Cermak², Juan Rodriguez-Carvajal³, Bachir Ouladdiaf³, and Alain FILHOL³
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WeP 123
The FullProf Suite for Laue Diffraction Data Treatment
Juan Rodriguez-Carvajal¹, Alain FILHOL¹, and Aleksei Bytchkov²
¹ILL, France, ²ESRF, France

WeP 124
Swedish Neutron Education for Science & Society: SwedNess
Martin Månsson¹ and Kristina Edström²
¹KTH Royal Inst. of Tech., Sweden, ²Uppsala Univ., Sweden

WeP 125
Magnetic Properties of LaSrCoO Alloys
Joonyoung Won, Thi Lan Anh Nguyen, Jaeyong Kim
Hanyang Univ., Korea

WeP 126
Phase Behavior of Poly(2-vinyl pyridine)-block-poly(4-vinyl pyridine) copolymer with Gold Nanoparticles
LEE JAEYONG, Sung Hyun Han, Jongheon Kwak, Chungryong Choi, and Jin Kon Kim
POSTECH, Korea

WeP 127
Highly Asymmetric Gyroid Structures in Block Copolymer Blends
Seonghyeon Ahn, Jongheon Kwak, Chungryong Choi, and Jin Kon Kim
POSTECH, Korea
WeP 128
Development of He-3 Based Neutron Optics Technology for a Reflectometer at HANARO
Sungman Lee, Kwang-Hoon Ko, June Hyuk Lee, Ki Yeon Kim, Myung Kook Moon, Sang Jin Cho, and Chang-Hee Lee
KAERI, Korea