

**Organisation for Economic Co-operation and Development
Nuclear Energy Agency**

Kick-off Meeting: WPEC SG42

“Thermal Scattering Kernel S(a,b): Measurement, Evaluation and Application”

Agenda

NEA Headquarters, Issy-les-Moulineaux

	Monday, May 18, 2015 , NEA Room A (Afternoon)	
14h00-14h15	Introduction by A.C. (Skip) Kahler (Subgroup Monitor)	
14h15-14h30	SG42-1 Status of the TSL data files, Gilles NOGUERE	
	Theory, Evaluation and Covariances :	
14h30-15h00	SG42-2 Implementation of Atomistic Simulation Techniques in Thermal Neutron Scattering Data Generation, Ayman I. HAWARI	20'+10'
15h00-15h30	SG42-3 The CAB Models for Water. Thermal scattering libraries for H ₂ O and D ₂ O in the 283-600 K range, Jose Ignacio MARQUEZ DAMIAN	20'+10'
15h30-16h00	Coffee break	
16h00-16h30	SG42-4 Generation of the Thermal Scattering Law for Yttrium Hydride from First Principles, Michael L. ZERKLE	20'+10'
16h30-17h00	SG42-5 A Covariance Methodology for Theoretically Generated Thermal Neutron Inelastic Scattering Data, Jesse HOLMES	20'+10'
17h00-17h30	SG42-6 TSL data in the new format, David BROWN	20'+10'
	Tuesday, May 19, 2015 , NEA Room A (Morning)	
9h00-9h30	SG42-7 Calculation of thermal scattering cross sections for Si and Bi, Young-Sik CHO	20'+10'
	TSL activities and Benchmarking :	
9h30-10h00	SG42-8 TSL R&D activity in Chalk River Nuclear Labs (CNL), Danila ROUBTSOV	20'+10'
10h00-10h30	SG42-9 Thermal data testing at LLNL, David HEINRICHS	20'+10'
10h30-11h00	Coffee break	
11h00-11h30	SG40-10 Impact of TSL in Reactivity Coefficient Temperature, Juan P. SCOTTA	20'+10'
11h30-12h00	SG40-11 Summary of the reactivity effect of new light and heavy water TSL on critical systems, Jose Ignacio MARQUEZ DAMIAN	20'+10'
12h00-13h30	Lunch	

	Tuesday, May 19, 2015 , NEA Room 323 (Afternoon)	
	Experimental activities:	
13h30-14h00	SG42-12 Scattering Kernel Needs at a Spallation Neutron Source, Franz X. GALLMEIER	20'+10'
14h00-14h30	SG42-13 Thermal Neutron Scattering Measurements and Analysis, Emily LIU	20'+10'
14h30-15h00	SG42-14 Thermal neutron scattering of water confined in silica microspheres, Gunter MUHRER	20'+10'
15h00-15h30	Coffee break	
15h30-16h00	SG42-15 Compact Accelerator-driven Neutron Sources as tools for nuclear data, David V. BAXTER	20'+10'
16h00-16h30	SG42-16 Thermal cross section libraries for cold moderators and filters, Florencia CANTARGI	20'+10'
16h30-17h30	Discussions	

WPEC SG42 Participants List (May 15th, 2015)

#	SG42: "Thermal Scattering Kernel S(a,b): Measurement, Evaluation and Application"
1	Bret BECK
2	Caleb MATTOON
3	David BROWN
4	David V. BAXTER
5	Dr Allen Egon CHOLAKIAN
6	Dr Andrej TRKOV
7	Dr Ayman I. HAWARI
8	Dr Cedric JOUANNE
9	Dr Claude MOUNIER
10	Dr Danila ROUBTSOV
11	Dr David HEINRICHS
12	Dr Florencia CANTARGI
13	Dr Gilles NOGUERE
14	Dr Jeremy Lloyd CONLIN
15	Dr Jesse HOLMES
16	Dr Luiz Carlos LEAL
17	Dr Michael L. ZERKLE
18	Dr Oscar CABELLOS
19	Dr Wim HAECK
20	Dr Yaron DANON
21	Dr Yoann CALZAVARA
22	Dr Zhigang GE
23	Emily LIU
24	Gunter MUHRER
25	Mr Albert. C. (skip) KAHLER
26	Mr Dmitry S. OLEYNIK
27	Mr Emmanuel FARHI
28	Mr Franz X. GALLMEIER
29	Mr Jose Ignacio MARQUEZ DAMIAN
30	Mr Juan Pablo SCOTTA
31	Mr Mathieu HURSIN
32	Mr Michael DUNN
33	Mr Young-Sik CHO
34	Ms Sophie PIGNET