

# SAAGAS27 Programm Monday

Time		Page
08:00	Registration (TUM Engineering Building, Section #4, Boltzmannstr. 15)	
09:00	Welcome and Intro	
09:20	ITG: R. Henkelmann - Von der PGAA zur Produktion von Radiosotopen für die Pharmazie - Lu-177 n.c.a.	-
10:00	Zs. Révay - Chemical analysis with neutrons at MLZ	61
10:20	Coffee Break	
11:00	Session I - Instrumentation and Methods	
11:00	E. Mauerhofer - The High-Brilliance Neutron Source (HBS) Project - Perspectives for Neutron Activation Analysis	13
11:20	Z. Ilić - Optimization and characterization of the FaNGaS facility at MLZ	41
11:40	E. Kluge - PGAI-NT and archaeometry at the PGAA facility of MLZ	27
12:00	Lunch	
13:00	Mirion Technologies (Canberra): Lange - Auf der Suche nach wenig bis sehr viel	8
13:30	Session II - Gamma-ray Spectrometry	
13:30	T. Hartmann - Gamma-Spektrometrie in der nuklearspezifischen Gefahrenabwehr – Ein Erfahrungsbericht	45
13:50	ISuS/Snakedance: G. Lasche - VRF: A new and powerful method for Gamma Spectrometry - description and applications	69
14:20	D. Knežević - Level density, radiative strength function and spectroscopic data on <sup>94</sup> Nb and <sup>56</sup> Mn using the two-step gamma cascade method	40
14:40	Short Break	
14:50	Special Talk - G. Korschinek - Supernova footprint on the doorstep	7
15:20	Postersession - with refreshment	
1	I. Kravitz - Rare-earth elements determination using short-lived neutron activation analysis	20
2	S. Landsberger - Uranium fission in NAA with epithermal neutrons	21
3	S. Landsberger - Corrections for self-interferences in comparator NAA on lutetium	24
4	R. Querfeld - <sup>135</sup> Cs/ <sup>137</sup> Cs Verhältnisse bestimmen via ICP-QQQ-MS: Vorversuche mit <sup>137</sup> Cs	28
5	S. Merchel - Small samples, nearly no chemistry and a big accelerator: Beryllium-7 measurements as low as 1 mB	42
6	P. Nagl - XRF and INAA for the geochemical analysis of rocks, presented on inhouse control samples	48
7	G. Weckwerth - Auswertungsstrategien für Iridium-Analysen in der Nähe der Nachweisgrenze am Beispiel der Sedimente von der Kreide-Tertiär-Grenz	58
8	V. Halubtsova - Progress toward production and characterization of a Technetium-99 reference sample for accelerator mass spectrometry	59
9	C. Oprea - Determination of the uncertainties of INAA method using factor analysis	65
10	E. Vezhlev - Neutron Depth Profiling at a focused neutron beam to study kinetics of thin-film batteries	11
11	T. Al-Abdullah - Prompt gamma analysis of bulk sample – system optimization and validation tests	49
16:45	Short walk to ESO-Supernova	
17:00	Show and exhibition at ESO-Supernova	

**Don't forget to visit the interesting booths at Maschinenwesen, „Hof 4“!**

Time		Page
08:30	Session III - Radioecology, Nuclear Forensics and Characterization	
08:30	R. Querfeld - Radioanalytical investigations of surface water samples from Fukushima	29
08:50	A. Weller - Separation of radiosilver from radiocesium in various matrices	32
09:10	D. Zok - Chemische und Radiochemische Untersuchungen von <sup>106</sup> Ru in Umweltproben	9
09:30	E. Gull - Characterization of the precipitation of traces of Technetium with Iron carriers	60
09:50	V. Grill - Characterization of natural clinoptilolite material for remediation of Sr-90 and Cs-137 in seawater	52
10:10	Coffee Break	
10:40	Session IV - NDP and PGAA	
10:40	L. Werner - The N4DP instrument at the PGAA facility of the Heinz-Maier-Leibnitz Zentrum (MLZ)	43
11:00	M. Trunk - Gaining insight into lithium-ion battery electrodes using Neutron Depth Profiling at the N4DP Instrument at MLZ	34
11:20	L. Szentmiklósi - Prompt-gamma activation analysis of bulky and structured samples	33
11:40	B. Maróti - Prompt gamma activation analysis of layered metal samples	36
12:00	Lunch	
13:00	Session V - Waste Characterization	
13:00	AiNT: J. Kettler - Industrielle messtechnische Anwendungen der PGNAA	17
13:30	M. Rother - PEAK® Software Manuelle Auswertung von PGNAA-Spektren	16
14:00	T. Hansmann - Ein innovatives Messverfahren zur radiologischen Charakterisierung von Abfallfässern mit heterogener Aktivitätsverteilung	18
14:20	T. Bücherl - Messunsicherheiten bei der zerstörungsfreien Charakterisierung radioaktiver Abfallgebinde	44
14:40	Coffee Break	
14:50	Session VI - Simulation	
14:50	N. Wiehl - Monte Carlo Simulationen mit Geant4 – eine Einführung	10
15:10	J. Li -The feasibility study of the optimization method based on Signal-to-Noise Ratio evaluation for PGNAA device	25
15:30	C. Carasco - Characterization of 870 L radioactive waste drums using delayed gamma rays from neutron-induced fissions	12
16:00	Session VII - Nuclide Preparation	
16:00	V. Rosecker - Preparation of Thorium and Uranium targets for the NuClock project	51
16:20	E. Strub - Erzeugung langlebiger und stabiler Nuklide für die Massenspektrometrie	26
16:40	End of Tuesday sessions	
18:20	Travel to Munich Center	
19:00	Conference Dinner (Zum Franziskaner) with Evening Lecture (H. von Philipsborn)	

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Time		Page
08:30	Session VIII - Activation analysis - Applications I	
08:30	A. Drescher - Gamma-gamma coincidence in neutron activation analysis of phosphate rock	19
08:50	T. Mittersteiner - Neutronenaktivierungsanalyse und Gammaskopie von Kaffee	56
09:10	M. Roszbach - Elementanalyse von Trüffeln	53
09:30	G. Weckwerth - Die Stärken der INAA bei der Ursachen und Risikoanalyse von Feinstaub	57
09:50	Coffee Break	
10:10	Student Award Ceremony	
10:20	Session IX - Activation analysis - Applications II	
10:20	C. Oprea - Integrated modeling of natural tin photoactivation	50
10:40	K. Gméling - Activation susceptibility of the gravel and sand components of concrete structures	35
11:00	F. Wagner - Determination of impurities in archaeological gold artefacts by neutron activation analysis	67
11:20	X. Li - Untersuchung von Meteoriten mittels INAA am FRM II	64
11:40	Short Break	
11:50	Session X - Activation analysis - Methods	
11:50	S. Landsberger - E-Learning in Neutron Activation Analysis	68
12:10	R. van Sluijs - From Westcott to Høgdahl, a k0-NAA solution for non-1/v nuclides	37
12:30	C. Stieghorst - Multivariate Statistik mit Spurenelementen	66
12:50	Closing of the Conference	
13:00	Lunch	
14:00	Guided Tours MLL / MLZ	

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## Thank you for participating in SAAGAS27!