

SPLG 2015 Program 7th June - 11th June S.C. Bariloche, Argentina

<i>Monday 8th - June 2015</i>			
8:30 - 8:50	<i>Opening Ceremony</i>		
	Chairman A. Lamagna - CNEA - Argentina		
8:50 - 9:20	Welcome CNEA - F. Deluchi - CNEA - Argentina		
9:20 - 10:00	Alain Petit's memorial - P. Louvet / J. Eerkens		
<i>10:00-10:20 Coffee break</i>			
10:20 - 11:00	SPLG History - H. Wood - USA		
11:00 - 12:20	Session 1 : Laser Isotope separation I	Chairman: N.A.S. Rodrigues	
11:00 - 11:40 Plenary Talk	TECHNO ECONOMICS OF URANIUM LASER ENRICHMENT	J. W. Eerkens	USA
11:40 - 12:20	11:40 - 12:00 Talk 1: C.N.E.A Project of Uranium Isotope separation by Laser Technology	A. Lamagna	Argentina
	12:00 - 12:20 Talk 2: High power laser facility for the selective photo-dissociation of gaseous compounds - the former ENEA experience	A. Palucci	Italy
<i>12:20-14:00 Lunch break</i>			
14:00 - 14:30	DIOXITEK Talk	Chairman: P. Fainstein	
14:30 - 15:30	14:30-14:50 Talk 3: CNEA project of isotopic enrichment of uranium by gas ultracentrifugation	A. Hazarabedian	Argentina
	14:50 - 15:10 Talk 4: A study on pseudo-binary cascade	L. Cheng	China
	15:10 - 15:30 Talk 5: Analytical and numerical modeling of strong rarefied gas flows	G. Pei	China
<i>15:30 - 17:00 Coffee + POSTER SESSION</i>			
17:00 - 18:40	Session 2: Gas Centrifuge I	Chairman: S.Zeng	
17:00 - 17:40 Plenary Talk	THE OPTIMUM SEPARATIVE POWER OF A GAS CENTRIFUGE: COMPUTING EXPERIMENT	V.D.Borisevich	Russia
17:40- 18:40	17:40 - 18:00 Talk 6: Segmented Q - cascade	Y.N. Zhang	China
	18:00 - 18:20 Talk 7: Economic study of single target isotope production in multi component separation cascade	H.T.Yao	China
	18:20 - 18:40 Talk 8: A numerical calculation method of multicomponent separation cascade	Y. Cong	China
<i>IOC Meeting 8:00 pm</i>			

Tuesday 9th - June 2015

	Talk	Speaker	Country
9:00 - 10:20	Session 3: Laser Isotope separation II	Chairman: P. Louvet	
9:00 - 9:40 Plenary Talk	LASER ABLATION ISOTOPE SEPARATION: A SURVEY	N.A.S. Rodrigues	Brazil
9:40 - 10:20	9:40 - 10:00 Talk 9: Atomic Vapor Laser Isotope Separation (silvAR) of Uranium	F. Bonetto	Argentina
	10:00 - 10:20 Talk 10: Quantum Cascade Lasers: a versatile source	A. Müller	Switzerland
10:20 - 10:50 Coffee break			
10:50 - 12:30	Session 4: Non-proliferation I	Chairman: S.Zeng	
10:50 - 11:30 Plenary Talk	OVERVIEW OF SAFEGUARDS MEASURES TO DETECT URANIUM ENRICHMENT ACTIVITIES	A. Marques Patricio	Austria
11:30 - 12:30	11:30 -11:50 Talk 11: Laser spectroscopy techniques against nuclear proliferation	A. Pailloux	France
	11:50 -12:10 Talk 12: The role of Thermal Ionization Mass Spectrometry in nuclear safeguard and accounting at CNEA.	E.A.Gautier	Argentina
	12:10 -12:30 Talk 13: Analysis of some simplifications that transform civil laser isotope enrichment processes, that have not yet resulted, into their proliferating version	P. Lemaire	France
12:30-14:15 Lunch break			
14:15 - 14:30	Chairman: E. Kaul		
14:30 - 15:50	14:30-14:50 Talk 14: Efficient estimation for magnetic forces in stabilizing systems for centrifuges	S.Ortiz	Argentina
	14:50 - 15:10 Talk 15: Calcium isotope enrichment by means of multi-channel counter- current electrophoresis (MCCCE) for the study of 48Ca double beta decay	T. Kishimoto	Japan
	15:10 - 15:30 Talk 16: Chromatographic Separation of 48Ca by Using Crown Ether Resin	S. Umehara	Japan
	15:30 - 15:50 Talk 17: Optimization of Oxygen-enrichment of air by pressure diffusion in a curved nozzle	T. Guozden	Argentina
15:50 - 17:20 Coffee + POSTER SESSION			
17:20 - 18:20	Session 5: Centrifuge & Laser Isotope separation	Chairman: H. Wood	
17:20-18:00 Plenary Talk	SOLVING THE LAST UNSOLVED PROBLEM: ANALYTICAL SOLUTION OF ONSAGERS PANCAKE EQUATION WITH MASS SOURCES AND SINKS	S. Zeng	China
18:00- 18:20	18:00 - 18:20 Talk 18: Silicon Isotopes Enrichment	M.L. Azcarate	Argentina
Congress gala dinner 7:30pm			

<i>Wednesday 10 th - June 2015</i>			
	Talk	Speaker	Country
9:00 - 10:20	Session 6 : Non-proliferation & Centrifuge	Chairman: S.Ortiz	
9:00 - 9:40 Plenary Talk	MEETING THE NONPROLIFERATION CHALLENGES OF URANIUM ENRICHMENT TECHNOLOGY	M. Whitaker	USA
9:40 - 10:20	9:40 -10:00 Talk 19: Qualification for Safeguards of the ABACC-Cristallini method - Comparison of isotopic results from UF ₆ samples obtained using two methods	E.A.Gautier	Argentina
	10:00 - 10:20 Talk 20: Evaluation of the separation parameters for a long bowl gas centrifuge	C.G. du Toit	South Africa
<i>10:20 - 10:50</i>	<i>Coffee break</i>		
10:50 - 12:30	Session 7 : Gas Centrifuge II	Chairman: V.D.Borisevich	
10:50 - 11:30 Plenary Talk	COMPUTER SIMULATION OF 3D GAS DYNAMICS IN A GAS CENTRIFUGE	S.V.Bogovalov	Russia
11:30 - 12:30	11:30 -11:50 Talk 21: C.N.E.A Experience on gas isotopic enrichment by centrifugation method	C. Ruiz	Argentina
	11:50 -12:10 Talk 22: Analitical and numerical modeling of strong rarefied gas flows	S. Pradhan	India
	12:10 -12:30 Talk 23: DSMC simulation of axial feed jet flow in gas centrifuge	D. J. Jiang	China
<i>12:30-14:00</i>	<i>Lunch break</i>		
14:00 - 14:30	INVAP S.E. Talk	Chairman: P. Fainstein	
14:30 - 15:50	14:30-14:50 Talk24: Accelerator mass spectrometry: High sensitivity for radionuclides detection	A. Arazi	Argentina
	14:50 - 15:10 Talk 25: The possibility of isotope separation of halogenydes in plasma excited by a short pulsed electron beam	M. A. Kazaryan	Russia
	15:10 - 15:30 Talk 26: Enriched and depleted isotopes for rare events physics experiments	I. Dafinei	Italy
	15:30 - 15:50 Talk 27: Calculations of structure and interactions of spherical-top molecules of interest for isotope separation	J. Fuhr	Argentina
<i>15:50 - 16:20</i>	<i>Photo & Coffee</i>		
16:20- 17:20	Session 8: Diffusion In Argentina - C. T. Pilcaniyeu	Chairman: A. Lamagna	
16:20 - 17:00 Plenary Talk	MOCK-UP LAB COMMISSIONING FOR THE GASEOUS DIFFUSION TECHNOLOGY IMPROVEMENTS AND CONCEPTUAL ASSESSMENT FOR INDUSTRIAL ENRICHMENT IN ARGENTINA	D.O.Brasnarof	Argentina
17:00 - 17:20	17:00 - 17:20 Talk 28: Licensing of Mock-Up Lab at Pilcaniyeu Technological Centre	A. D Saavedra	Argentina
<i>Closing Ceremony 17:20</i>			

