



# SPIN 2018

## Wednesday 12 September 2018

### Application of Nuclear Polarization Techniques to Other Fields - A11 (14:30-16:10)

-Conveners: Alexander Vasiliev; Andrew Sandorfi; Georg Bison

time	[id] title	presenter
14:30	[41] Advantages of Nuclear Fusion with Polarized Fuel	Dr ENGELS, Ralf
15:05	[84] THE STATUS OF THE DOUBLE POLARIZED DD-FUSION EXPERIMENT	Dr KRAVCHENKO, Polina
15:30	[68] Status of polarized molecular source	Prof. TOPORKOV, Dmitriy
15:45	End of Session	

### Application of Nuclear Polarization Techniques to Other Fields - A11 (16:40-18:20)

-Conveners: Alexander Vasiliev; Andrew Sandorfi; Georg Bison

time	[id] title	presenter
16:40	[119] Optical excitation of molecules for Spin-Polarized Nuclear Fusion	Prof. RAKITZIS, T. Peter
17:05	[87] Nuclear Polarization in Laser-induced Relativistic Plasmas	Prof. BÜSCHER, Markus
17:30	[166] Progress toward spin-polarized fusion: Performance of laser-polarized He-3 during permeation into tokamak pellets	Mr TAFTI, Sina
17:55	[93] General relativity experiment with frozen spin rings	LASZLO, Andras

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time	[id] title	presenter
14:30	[203] Medical Imaging of Hyperpolarized Noble Gases: Perspectives and prospects at the quarter- century mark	Prof. MILLER, Wilson
14:55	[167] Medical application of spin-polarized noble gases: Emphysema index based on polarized He-3 and Xe-129 diffusion in the lung	Mr TAFTI, Sina
15:20	[100] Measuring the free neutron lifetime with spin-polarized ultracold neutrons at TRIGA Mainz	Prof. RIES, Dieter
15:45	[158] Storage of polarized ultracold neutrons	Dr PIGNOL, Guillaume