

# Superconductive Space Radiation Shielding for Exploration Missions

April 9<sup>th</sup>, 2014

Time	Speaker	Company	Title of talk
09.00	Registration at ALTEC		
09.30	P. Messidoro and C. Lobascio	Thales Alenia Space	Welcome Address
	M. Giraud	Thales Alenia Space	Logistics and Information
09.50	R. Battiston	INFN-TIFPA	Introductory Remarks
<b>Chair: A. Finzi</b>			
10.00	S. Di Pippo	USOOSA	The frontier of space exploration
10.20	T. Sgobba	IASS	Space Safety in 2030
10.40	E. Daly	ESA	Radiation Hazards to ESA's Space Programmes and Mitigation Approaches
11.00	<b>Coffee Break</b>		
11.20	R. Battiston	INFN-TIFPA	The EU-FP7 SR2S program
12.00	S. Westover	NASA	The NIAC MARSS program
12.25	W. Burger	University of Perugia	Monte Carlo simulations of radiation doses
12.45	<b>Lunch</b>		
<b>Chair R. Battiston</b>			
14.00	L. Rossi	CERN	High Lumi LHC at CERN
14.15	A. Ballarino	CERN	Progress on MgB2 at CERN
14.30	R. Musenich	INFN Genova	SR2S Magnetic radiation shield design
14.55	G. Grasso	Columbus Superconductors	MgB2 cables for space applications
15.20	<b>Coffee Break</b>		
15.40	M. Giraud	Thales Alenia Space	Space Radiation Environment and GRAS/Geant4 simulations in SR2S
16.05	B. Baudouy	CEA	Cryogenics for space radiation shields
16.30	F. Tunesi and F. Zanetti	CGS	Structural and Thermal Concept for SR2S
16.55	<b>Final Discussion</b>		
17.30	<b>Conclusions</b>		