Emerging Methodologies for Paramagnetic NMR and Dynamic Nuclear Polarization in Biological and Inorganic Materials Location: Telluride Intermediate School, 725 West Colorado Ave, Telluride, CO 81435 Breakfast available every day 7:30 - 9:00 am at the workshop site							
				Sunday- July 27, 2023			
				17:00 - 18:30	All-Telluride Science Meet and Greet	Oak, 250 San Juan Avenue. (At the base of the Gondola). This is a good chance to meet up with fellow participants prior to your meeting. A staff member will be on hand to welcome you and distribute badges.	
Monday- July 24, 2023							
7:00 - 9:30	Breakfast						
12:40 - 13:00	o Welcome (Marina Bennati, Ann McDermott, Tatyana Polenova)						
Session 1 (Ivan Sergeyev)							
13:00 - 13:45	Bob Griffin	Time Domain DNP with Frequency Swept Pulses					
13:45 - 14:30	Björn Corzilius	The Role of Methyl Dynamics in MAS DNP – From Relaxation to Site-Specific Transfer Pathways					
14:30 - 15:15	Ann McDermott	Insights into Structure and Dynamics of Proteins from Low Temperature NMR Lineshapes					
15:15 - 15:45		Coffee break					
Session 2 (Joanna Long)							
15:45 - 16:30	Gunnar Jeschke	Microscopic Description of Nuclear-Spin Driven Electron Spin Coherence Loss in the Absence and Presence of Microwave Irradiation					
16:30 - 17:15	Lyndon Emsley	New Polarisation Sources for DNP					
17:15 - 18:00	Ivan Sergeyev	Insights into Spatial Organization of Lipid Nanoparticle siRNA Delivery Systems from an Integrative DNP/MAS-NMR Approach					
Tuesday - July 25, 2023							
8:30 - 13:00		Free time					
		Session 3 (Jennifer Mathies)					
13:00 - 13:45	Angela Gronenborn	In-Cell Gd(III)-19F Distance Measurements in Proteins by NMR and EPR					
13:45 - 14:30	Tatyana Polenova	<sup>19</sup> F MAS DNP of Protein Assemblies and Proteins in Cellular Environments					
14:30 - 15:15	Yoh Matsuki	Methods and Instruments for High-Field MAS DNP Toward Intracellular Structural Biology					
15:15 - 15:30		Coffee break					
Session 4 (Gunnar Jeschke)							
15:30 - 16:15	Marina Bennati	EPR Spectroscopy at the Interface with NMR: High-Field ENDOR and DNP					
16:15 – 17:00	Joanna Long	Optimizing DNP for Biological Samples					
17:00 - 17:45	Hartmut Oschkinat	DNP of Proteins and Other Biomolecules					
Telluride Science Town Talk							
Location: Telluride Conference Center in Mountain Village							
18:30 - 19:30	Talk Title: True Colors of Cancer Featured Speaker: Stephen A. Boppart, M.D., Ph.D., University of Illinois at Urbana-Champaign Cash Bar, Doors Open at 6:00pm						

Wednesday - July 26, 2023				
8:30 - 13:00		Free time		
Session 5 (Yoh Matsuki)				
13:00 - 13:45	Thomas Prisner	New <sup>13</sup> C and <sup>1</sup> H DNP Results in Viscous Liquids at 9.4T and Room Temperature		
13:45 - 14:30	Galia Debelouchina	Targeted DNP Approaches for Structural Biology in Complex Environments		
14:30 - 15:15	Jennifer Mathies	Optimizing Polarization Transfer in Solids		
15:15 - 15:30		Coffee break		
Session 6 (Björn Corzilius)				
15:30 - 16:15	Moreno Lelli	Biradicals for High-Field and High-Temperature DNP		
16:15 - 17:30	Michal Leskes	Endogenous DNP Routes for Polarization Transfer Across Interfaces		
17:30 - 19:30	All Telluride Science Picnic  Free BBQ, Beer, Wine and Non-Alcoholic Beverages. Friends and Family are invited free of charge.  Location: Tent behind the Intermediate School  (which is the location for all workshops - 725 W Colorado Ave)			
Thursday - July 27, 2023				
8:30 - 13:45		Free time		
		Session 7 (Michal Leskes)		
13:45 - 14:30	Tom Wenckenbach	Electron Spectral Diffusion and Nuclear Spin Diffusion Probed By Nuclear Dipolar Relaxation		
14:30 - 15:15	Jim Kempf	DNP for 1.x GHz NMR, Standard-Bore Magnets & HFX Probes		
15:15 – 16:00	Alexander Barnes	Towards Pulsed DNP at 100 Tesla		
16:00 - 16:20	Coffee break			
16:20 - 17:30	Brainstorming session: All	Unsolved problems, future directions, and organizational issues (2025 meeting)		
18:30 -	Dinner in self- organized groups, discussions			
Friday - July 28, 2023				
7:00 - 9:30 am		Breakfast, informal discussions		