

PROGRAM IMAGINE MEETING 2-5 APRIL 2019 v1.3

Tuesday 2 April	Session	Talk title/Discussion topic	Presenter
9:00 - 9:10	Welcome		Erik Koelink (IMAPP director)
9:10 - 9:30		Introduction	goal workshop and short intro to IMAGINE software
9:30 - 10:00	GMF large scale	our recent work on Galactic Faraday rotation	Sebastian Hutschenreuter
10:00 - 10:30		detecting large-scale helicity in the Galaxy	Jennifer West
COFFEE BREAK			
11:00 - 11:30		using new broadband VLA (1-2 GHz) polarisation data to set-up a better RM grid towards the MW field reversal region	Jackie Ma
11:30 - 12:00		Constraining the large-scale regular Galactic Magnetic Field from polarized diffuse emission	Vincent Pelgrims
12:00 - 12:30		Discussion: necessary components of a GMF model? What do we (not) know?	Katia Ferrière
LUNCH			
13:30 - 14:00	Other galaxies and extragalactic environment	Magnetic fields in Evolving Galaxies	Luiz Rodriguez
14:00 - 14:30		PreFRBLE: Predict Fast Radio Bursts: Likelihood estimates on models of contributors	Stefan Hackstein
14:30 - 15:00		Polarized continuum - a test for Virgo spirals evolution	Marian Soida
COFFEE BREAK			
15:30 - 16:00		cosmic ray transport and polarisation modelling in external galaxies	Volker Heesen
16:00 - 16:30		Discussion: constraints from these studies on GMF model?	Ann Mao
16:30 - 17:00		Break-out sessions	
Wednesday 3 April			
9:00 - 9:30	Turbulence	Small-scale fields in the ISM	Amit Seta, remote in Australia
9:30 - 10:00		Magnetically aligned straight depolarization canals	Vibor Jelic
10:00 - 10:30		Using MHD simulations to connect physical models and statistical characterizations of observables	François Boulanger
COFFEE BREAK			
11:00 - 12:00		Discussion "How to model turbulence?"	Anvar Shukurov/Vincent Pelgrims
12:00 - 12:30		Break-out sessions	
LUNCH			
13:30 - 14:00	Technical session	IMAGINE tutorial	Tess Jaffe & Jiaxin Wang

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14:30 - 15:00		IMAGINE practical session	Tess Jaffe & Jiaxin Wang
COFFEE BREAK			
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16:00 - 17:00		Break-out sessions / practical session	

Thursday 4 April

9:00 - 9:30	Technical session (cont)	CRPropa 3.2: new developments and possible uses with IMAGINE	Arjen van Vliet
9:30 - 10:00		Model dispersion with PRISM	Ellert van der Velden
10:00 - 10:30		Discussion: additional requirements, community contributions, feedback etc.	Tess Jaffe
COFFEE BREAK			
11:00 - 11:30	GMF Local Environment	the interstellar magnetic field in the shell of the Local Bubble	Katia Ferriere
11:30 - 12:30		Discussion: tomography and the Local Bubble	François Boulanger/Marta Alves
LUNCH			
13:30 - 14:00	Cosmic Rays	Galactic cosmic rays	Carmelo Evoli
14:00 - 14:30		Connecting UHECR theory to data via hierarchical modelling	Francesca Capel
14:30 - 15:00		Searching for cosmic-ray origins: magnetic fields and composition	Martin Erdmann
COFFEE BREAK			
15:30 - 16:00		Using CRPropa to study galactic cosmic-ray propagation from the center of the Milky Way using different GMF models	Youri Sloots
16:00 - 17:00		Discussion CRs	Jörg Hörandel

Friday 5 April

9:00 - 10:00	Wrap-up	IMAGINE program definition, consolidation, and publication	
10:00 - 10:30		Break-out sessions	
COFFEE BREAK			
11:30 - 12:30		Summary and discussion about continuation	
LUNCH			