



The impact of Herschel surveys on ALMA Early Science

ESO, Garching b. München (Germany), 16-19 November 2010

PROGRAM

(as at 10-Nov-2010)

[Workshop bus leaves from Garching at 12:50]

Tuesday, November 16 (afternoon)	
13:00-14:00	Registration (in front of the Auditorium)
14:00-14:10	Opening/Welcome

Chair: P. Andreani		
14:10-14:40	G. De Zotti (INAF-Padova)	The high redshift universe (Invited)
14:40-15:00	S. Eales (Cardiff)	The Herschel ATLAS
15:00-15:20	E. Le Floc'h (CEA-Saclay)	New challenges for ALMA from GOODS-Herschel ultra-deep surveys
15:20-15:40	F. Walter (MPIA)	CII at high redshift
15:40-16:00	Break	
Chair: L. Testi		
16:00-16:30	P. Caselli (Leeds)	The physics and chemistry of molecular clouds and star forming regions (Invited)
16:30-16:50	T. Stanke (ESO)	The Herschel Orion Protostar Survey and ALMA
16:50-17:10	S. Molinari (INAF-IFSI)	The Herschel Galactic Plane Survey and its importance for ALMA
17:10-17:30	J. Bally (U. Colorado)	Massive Star and Cluster Formation in the ALMA era
17:30-18:00		Discussion: "How can I best exploit the ALMA Early Science Capabilities?"
18:00-19:30	Welcome Reception	

[Workshop bus leaves for Garching at 19:30]

"WHERE IS WHAT":	
TALKS: Auditorium with video transmission to Room 231/232	
POSTERS: Council Room	PC's: Council Room (!)
COFFEE: Council Room, in front of Auditorium, Room 231/232	Welcome Reception: Foyer & Council Room
Workshop Dinner: "Neuwirt", Garching	

[Workshop bus leaves from Garching at 08:45]

Wednesday, November 17		
Chair: S. Eales		
09:00-09:30	F. Combes (Obs. Paris)	Nearby Galaxies (Invited)
09:30-09:50	S. Madden (CEA-Saclay)	The ISM properties in Low Metallicity Galaxies from Herschel to Alma
09:50-10:10	A. Boselli (Marseille)	The Herschel Reference Survey: UV to radio continuum spectral energy distribution of nearby galaxies
10:10-10:30	L. Cortese (ESO)	Environmental effects on the evolution of cluster galaxies: the Herschel and ALMA view
10:30-11:00	Break	
Chair: J. Cernicharo		
11:00-11:30	J. Di Francesco (NRCCA)	The Herschel View of Star Formation (Invited)
11:30-11:50	P. André (CEA-Saclay)	The impact of the Herschel Gould Belt survey on star formation studies with ALMA
11:50-12:10	A. Stutz (MPIA)	Isolated low mass star formation with Herschel and ALMA
12:10-12:30	A. Maury (ESO)	Using existing interferometers for paving the way from Herschel to ALMA: a PdBI large program to investigate the small scale properties of Class 0 protostars
12:30-14:00	Lunch	
Chair: G. Pilbratt (tbc)		
14:00-14:30	R. Moreno (Obs. Paris)	The Solar System observed by Herschel (Invited)
14:30-15:00	T. Müller (MPE)	Solar System minor bodies (Invited)
15:00-15:20	P. Hartogh (MPS)	Highlights of the HssO key programme and proposal for complementary ALMA Early Science observations
15:20-15:40	M. Rengel (MPS)	The Titan and Venus atmospheres from ground and space-based observations in the micro-wave region: the promise of ALMA
15:40-16:00	Break	
16:00-16:30	C. Waelkens (Leuven)	Late stages of stellar evolution with Herschel and Alma (Invited)
16:30-16:50	J. Cernicharo (CAB)	Warm HCN emission in the circumstellar envelopes of C-rich Evolved stars
16:50-17:10	M. Maercker (ESO/Bonn)	A HIFI view of circumstellar H ₂ O emission from AGB stars
17:10-19:00	Poster Session	

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[Workshop bus leaves from Garching at 08:15]

Thursday, November 18

Chair: E. van Kampen

08:30-09:00	R. Maiolino (INAF)	Active galaxies through the cosmic epoch: the Herschel-ALMA synergy (Invited)
09:00-09:20	E. Falgarone (Ecole Normale)	CH+(1-0): a tracer of dissipative processes in the diffuse environment of high-z galaxies
09:20-09:40	E. Hatziminaoglou (ESO)	FIR properties of AGN in the HerMES fields
09:40-10:00	K. Knudsen (AlfA-Bonn)	C+ and CO in $z > 4$ quasars
10:00-10:20	G. Rodighiero (Padova)	The evolution of the SFR as a function of mass in star-forming galaxies: where Herschel and ALMA will play together
10:20-11:00	Break	
11:00-11:30	C. Wilson (McMaster)	Nearby Galaxies with Herschel and ALMA (Invited)
11:30-11:50	M. Bureau (Oxford)	Spatially-resolved molecular gas, dust, and star formation in early-type galaxies
11:50-12:10	E. Schinnerer (MPIA)	PAWS: The PdBI Arcsecond Whirlpool Survey
12:10-12:30	P. Papadopoulos (AlfA-Bonn)	CO Spectral Line Energy Distributions (SLEDs) of ULIRGs and AGN: from ground to Space, and back again
12:30-14:00	Lunch	
Chair: D. Lutz		
14:00-14:30	L. Tacconi (MPE)	The ALMA Impact on Galaxy Formation and Evolution (Invited)
14:30-14:50	C. Gruppioni (INAF)	First Herschel probe of dusty galaxy evolution up to $z \sim 3$ with PEP
14:50-15:10	S. Berta (MPE)	Herschel and PEP resolve the far-IR background
15:10-15:30	R. Lupu (Pennsylvania)	Follow-up of lensed submillimeter galaxies with Z-Spec and ALMA
15:30-16:00	Break	
Chair: P. André		
16:00-16:30	M. Walmsley (INAF-Arcetri)	Disks with Herschel (Invited)
16:30-16:50	C. Dullemond (MPIA)	Probing dust evolution with Herschel and ALMA
16:50-17:10	O. Panić (ESO)	Disc structure modelling based on Herschel photometry, combined with existing multiwavelength interferometric data
17:10-17:30	S. Guilloteau (LAB)	Observational evidence for grain size segregation in proto-planetary disks from high resolution mm observations
17:30-17:50	J. Lestrade (Paris)	HERSCHEL Debris Disks Scrutinized at High Angular Resolution by ALMA
17:50-18:20	Discussion: "Which support will I need during ALMA Early Science?"	

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19:00	Workshop Dinner, "Neuwirt", Garching
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Friday, November 19

Chair: S. Molinari		
09:00-09:30	J. Tan (Florida)	High-mass star formation (Invited)
09:30-09:50	S. Bontemps (Bordeaux)	HOBYS: The earliest phases of high-mass star formation at less than 3 kpc with Herschel
09:50-10:10	H. Beuther (MPIA)	The Early Phase of Star Formation (EPOS): Stepping from a Herschel key project to ALMA
10:10-10:30	C. Ceccarelli (LAOG)	The Herschel Chemical Surveys of Star forming regions: CHESS, an Herschel Key Program
10:30-10:50	M. van der Wiel (Groningen)	A massive star-forming molecular envelope: physical structure at various spatial scales
10:50-11:20	Break	
11:20-11:40	A. Zavagno (Marseille)	Star formation triggered by expanding HII regions in the Galaxy
11:40-12:00	M. Pestalozzi (INAF-IFSI)	Zooming in into Hi-GAL images of high-mass star formation
Chair: F. Helmich		
12:00-12:20	G. Meeus (Madrid)	Synergy between ALMA and Herschel: unravelling protoplanetary discs
12:20-14:00	Lunch	
14:00-14:20	L. Kristensen (Leiden)	WISHes coming true: Tracing dynamics in young stellar objects with Herschel and ALMA
14:20-14:40	I. Kamp (Kapteyn Inst.)	Constraining gas properties throughout the planet formation aera from Herschel-ALMA surveys
14:40-15:00	M. Hogerheijde (Leiden)	Water vapor in protoplanetary disks outside 30 AU: Herschel and ALMA
15:00-15:20	L. Podio (Kapteyn Inst.)	Constraining the jet launching mechanism through ALMA-Herschel observations
15:20	Final Discussion and concluding remarks	