

# Symposium on Particle Cosmology

December 4th, 2007, Building 1b, SemRm 4a/b

09:00 - 09:10	Welcome	A. Wagner, DESY
	<i>Chair: W. Buchmüller</i>	
09:10 - 10:00	Cosmological Dark Energy	I. Antoniadis, CERN
10:00 - 10:50	Neutrinos and Dark Energy	Ch. Wetterich, Heidelberg
10:50 - 11:20	Coffee Break	
11:20 - 12:10	Massive Gravity	C. Deffayet, Paris
12:10 - 13:30	Lunch	
	<b>DESY Auditorium</b>	
	<i>Chair: L. Covi</i>	
13:30 - 14:20	k-Essence, Superluminal Propagation and Causality	V. Mukhanov, Munich
14:20 - 15:10	Inflation and its Cosmic Probes, Now and Then	J.R. Bond, Toronto
15:10 - 15:40	Coffee Break	
15:40 - 16:30	String Signatures for the LHC	H.P. Nilles, Bonn
16:30 - 17:00	Break	
	<i>Chair: A. Ringwald</i>	
17:00 - 18:00	The Big Questions in Particle Physics and Cosmology	J. Ellis, CERN
19:00	Dinner	

# Symposium on Particle Cosmology

December 5th, 2007, Building 1b, SemRm 4a/b

*Chair: J. Louis*

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|---------------|---|-------------------|
| 09:00 - 09:25 | Axion Inflation in Typ IIB String Theory      | Th. Grimm, Bonn   |
| 09:30 - 09:55 | Moduli Stabilization and the Heterotic String | A. Zanzi, Bonn    |
| 10:00 - 10:25 | Looking Beyond the Horizon                    | A. Vikman, Munich |
| 10:30 - 11:00 | Coffee Break                                  |                   |

*Chair: Ch. Wetterich*

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|---------------|--|-------------------------|
| 11:00 - 11:25 | Dark Energy as $f(R)$ Gravity: an Overview                       | S. Winitzki, Heidelberg |
| 11:30 - 11:55 | Axion-dilaton Cosmology and Dark Energy                          | R. Catena, Trieste      |
| 12:00 - 12:25 | Relaxing Neutrino Mass bounds by a Running Cosmological Constant | F. Bauer, DESY          |
| 12:30 - 13:30 | Lunch  |                         |

*Chair: V. Mukhanov*

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| 13:30 - 13:55 | Probing the Constancy of Fundamental “Constants” over 14 Billion Years | S. Stern, Heidelberg      |
| 14:00 - 14:25 | Sequestered Dark Matter  | B. v. Harling, Heidelberg |
| 14:30 - 14:55 | A Fresh Look at R-parity Violation                                     | H. Nakajima, Tokyo        |
| 15:00 - 15:30 | Coffee Break   |                           |

*Chair: H.P. Nilles*

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| 15:30 - 15:55 | Direct, Indirect and Collider Detection of Neutralino Dark Matter in SUSY Models Without Gaugino Mass Universality | E.-K. Park, Bonn        |
| 16:00 - 16:25 | Gravitino Dark Matter in Brane Cosmology   | G. Panotopoulos, Munich |
| 16:30 - 16:55 | Determination of the Mass of a Light Gravitino at the LHC  | K. Hamaguchi, Tokyo     |