

Program of the

Workshop on Beam Cooling and Related Topics 2001**255th International WE-Heraeus Seminar**

Last Update on 10-May-2001

[Monday](#) [Tuesday](#) [Wednesday](#) [Thursday](#) [Friday](#)**Monday, May 14th, 2001****8:00*****Breakfast*****Early Morning Session** Chairperson: R. Maier**09:00** R. Maier / E. Dreisigacker**Introductory Remarks****09:30** D. Möhl**Beam Cooling: Past, Present, Future****10:30*****Coffee*****Late Morning Session** Chairperson: H. Mais***Alternate Cooling Methods*****11:00** Y. Shatunov**Radiation Cooling****11:45** M. Weidemüller**Laser-Cooled Ions and Atoms in a Storage Ring****12:30*****Lunch*****Early afternoon session** Chairperson: D. Prasuhn***Electron Cooling*****14:00** M. Steck**Low-Energy Electron Cooling****14:45** S. Nagaitsev**Medium-Energy Electron Cooling****15:30*****Coffee*****Late afternoon session** Chairperson: R. Maier***High Energy Cooling*****16:00** A. Skrinsky**High-Energy Electron Cooling****17:00** D. Neuffer**Ionisation Cooling for Neutrino Factories and Future Colliders****18:00*****Dinner*****Tuesday, May 15th, 2001****8:00*****Breakfast***

Early Morning Session	Chairperson: D. Möhl	<i>Stochastic Cooling</i>
09:00	J. Marinner	Theory of Stochastic Cooling
09:45	F. Caspers	Technique of Stochastic Cooling
10:30		<i>Coffee</i>
Late Morning Session	Chairperson: B. Franzke	<i>Lattice Requirements for Cooling</i>
11:00	G. Tranquille	Optimum Lattices for Electron Cooling
11:45	F. Nolden	Optimum Lattices for Stochastic Cooling
12:30		<i>Lunch</i>
Early afternoon session	Chairperson: M. Chanel	<i>Instabilities</i>
14:00	V. Parkhoumchuk	Stability Limits of Cooled Beams
14:45	C. Carli	Instability Suppression
15:30		<i>Coffee</i>
Late afternoon session	Workshops	
16:00	Workshop I: High Energy Electron Cooling and Stability Limits	I. Meshkov
	Workshop II: Stochastic Cooling	T. Katayama
18:00		<i>Dinner</i>



Wednesday, May 16th, 2001

8:00		<i>Breakfast</i>
Early Morning Session	Chairperson: M. Steck	<i>Status Reports</i>
09:00	D. Prasuhn	Cooling at COSY
09:45	D. Reistad	News from CELSIUS
10:30		<i>Coffee</i>
Late Morning Session	Chairperson: D. Reistad	<i>Status Reports</i>
11:00	M. Beutelspacher	New Results on Electron Cooling at the TSR Heidelberg

11:45	F. Pedersen	Stochastic and Electron Cooling of Antiprotons in the CERN AD
12:30		<i>Lunch</i>
Early afternoon session	Chairperson: K. Balewski	<i>Status Reports</i>
14:00	D. Mc Ginnis	Stochastic Cooling at FNAL
14:45	H. Danared	Electron Cooled Ordered Beams at Crying
15:30		<i>Coffee</i>
Late afternoon session	Workshops	
16:00	Workshop I: High Energy Electron Cooling and Stability Limits	I. Meshkov
	Workshop II: Stochastic Cooling	T. Katayama
18:00		<i>Dinner</i>



Thursday, May 17th, 2001

8:00		<i>Breakfast</i>
Early Morning Session	Chairperson: A. Skrinsky	<i>Future Cooler Projects</i>
09:00	I. Ben-Zvi	Electron Cooling for RHIC
09:45	P. Wesolowski	Studies on Electron Cooling at DESY
10:30		<i>Coffee</i>
Late Morning Session	Chairperson: S. Nagaitsev	<i>Future Cooler Projects</i>
11:00	A. Sidorin	Cooling of Positrons at LEPTA
11:45	J. Xia	The Lanzhou Cooling Ring Project
12:30		<i>Lunch</i>
Early afternoon session	Chairperson: F. Caspers	<i>Future Cooler Projects</i>
14:00	T. Katayama	Cooling for the MUSES Project
14:45	M. Chanel	Ion Accumulation for LHC
15:30		<i>Coffee</i>
Late afternoon		

16:00**Visit to COSY****Work for the Convenors****18:00*****Conference Dinner in the Forschungszentrum Jülich*****Friday, May 18th, 2001****8:00*****Breakfast*****Early
Morning
Session****Chairperson: D.
Prasuhn****09:00****Workshop I and
II****Report of the Convenors****10:30*****Coffee*****Late Morning
Session****Chairperson: R.
Maier*****Physical Application of Beam Cooling*****11:00****N. Angert****Proposal for an Accelerator Complex for
Energetic Ion Beams of Highest Intensity and
Quality****11:45****W. Oelert****Application of Cooling to Very Low
Temperatures****12:30*****Lunch***