	Mon Jan 7	Tue Jan 8	Wed Jan 9	Thu Jan 10	Fri Jan 11	Sat Jan 12
07:00 08:30		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
08:30		W.Busza	J. Harris	J.Harris	J.Harris	'Vacuum'
09:20		G. Altarelli	G.Altarelli	G.Altarelli	G.Altarelli	G.Altarelli
10:10		Break	Break	Break	Break	Break
10:40		T.Kodama	F.Karsch	F.Karsch	F.Karsch	H.Stöcker
11:30		" "	A.DiGiacomo	A.DiGiacomo	F.Antinori	F.Antinori
12:20 12:30 14:00	CHECKIN	Lunch Discussion	Lunch Discussion	Lunch Discussion	Lunch Discussion	Lunch Discussion
15:30	Self	W.Busza	J.Aichelin	J.Aichelin	H.Stöcker	W. Zajc
16:20	Introduction	" "	T.Trainor	HADRONS	Ch.Roland	" "
17:00	Snack	Break	Break	–	Break	Break
17:30	Self	D. Kharzeev-1	B.Müller-1	IN LATIN	L.Masperi	N. Scoccola
18:10	Introduction	" "	" "	AMERICA	C.Vasconcelos	QGP-Observe
18:35	" "	" "	" "	Chair: Ferreira	M.Malheiro	Free-for-all
19:00 20:00	Reception Dinner	Dinner	Dinner	Dinner	Dinner	Dinner

	Sun Jan 13	Mon Jan 14	Tue Jan 15	Wed Jan 16	Thu Jan 17	Fri Jan 18
07:00 08:30	DEPART FOR	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
08:30	EXCURSION	G.Altarelli	K.Safarik	K.Safarik	B.Müller	B.Müller
09:20		W. Zajc	H.T.Elze	H.T.Elze	K.Werner	K.Werner
10:10		Break	Break	Break	Break	Break
10:40		'HBT'	U.VanKolck	U.VanKolck	D.Kharzeev	D.Kharzeev
11:30		L.Csernai	L.Csernai	L.Csernai	R.Thews	R.Thews
12:20 12:30	BOX	Lunch	Lunch	Lunch	Lunch	Closing/Lunch
14:00	Lunch	Discussion	Discussion	Discussion	Discussion	Dep:*14:30*
15:30		J.Rafelski	J.Rafelski	J.Rafelski	Open	
16:20		Open	Open	H.Takai	Open	
17:00		Break	Break	Break	Break	
17:30		Alej.Ayala	F.Grassi	M.Nielsen	C.Tsallis	
18:10		M.G.Ducati	J. Castillo	T.Osada	" "	
18:45		Open	Open	Open	" "	
19:00 20:00	Dinner	Dinner	Dinner	Dinner	BBQ Dinner " "	

version 3.2 of December 26, 2001, JR

Scientific Program

PAN AMERICAN STUDY INSTITUTE

NEW STATES OF MATTER IN HADRONIC INTERACTIONS

Campos de Jordao, Sao Paulo, Brazil, January 7–18, 2002

Tutorial Lectures: One double course lecture each, FIRST WEEK

1. D.Kharzeev-1: "Hadron-hadron and Hadron-nucleus Interactions"
2. T.Kodama: "Physics of Relativistic Gases"
3. B.Müller-1: "Quark Matter"
4. Chair –: "Vacuum: discussion"
5. Chair: H. Stöcker "QGP observables: discussion"
6. W. Zajc: "Bose Einstein Interferometry (HBT) "

Lecture Courses: N $\times$ 40 +10 min. SOME LECTURE TITLES PRELIMINARY

FIRST WEEK

1. W.Busza: "Introduction to Relativistic Heavy Ion Collisions" 3 $\times$
2. G.Altarelli: "Introduction to Quantum Chromodynamics and Structure Functions" 3+3 $\times$
3. J.Aichelin: "Introduction to Hot Hadronic Matter" 2 $\times$
4. F. Karsch: "Introduction to Finite Temperature QCD on the Lattice" 3 $\times$
5. J.Harris: "RHIC Physics - Overview" 3 $\times$
6. A. DiGiacomo: "Vacuum Properties of QCD" 2 $\times$
7. F. Antinori: "SPS Physics - Overview" 2 $\times$
8. K.Safarik: "Particle Tracking" 2 $\times$
9. U.VanKolck: "Introduction to Effective Field Theories in QCD" 2 $\times$
10. W. Zajc: "Charming High-Lights from Phenix" 1.5 $\times$

SECOND WEEK

11. G.Altarelli-2: "Introduction to Quantum Chromodynamics and Structure Functions" 3+3 $\times$

12. L.Csernai: "Relativistic Hydrodynamics" 3 ×
13. H-T. Elze: "Relativistic Quantum Transport Theory" 2 ×
14. J.Rafelski: "Quark-Gluon Plasma and Strangeness" 3 ×
15. H.Stöcker: "A tour of QGP Signals" 2 ×
16. B.Müller-2: "Thermal QCD" 2 ×
17. K.Werner: "Physics of Event Generators" 2 ×
18. D.Kharzeev-2: "Classical QCD and Heavy Ion Collisions", and "Heavy Quarks in QCD Matter"
19. R.Thews: "Nonlinear Behavior of Quarkonium Formation and Deconfinement Signals" 2 ×

DISCUSSION:

Recent course speakers to be available for discussions with iterested students, group discussios of speakers presentation write up.

Topical Lectures: 30+10 min.

1. T. Trainor: "Purpose and Physics of Event by Event Analysis"
2. Ch.Roland: "Survey of Recent PHOBOS Results"
3. L. Masperi: "Strangelets in the Universe"
4. N. Scoccola: "Finite Temperature Chiral Models"
5. H.Takai: "More Heavy Ions at LHC"
6. Alejandro Ayala: "Hyperon Polarization"
7. F.Grassi: "Continuous Hadron Emission"
8. M.Nielsen: "QCD Sum Rules"

Coloquium:

1. C. Tsallis: "Non-Extensive Statistics and Its Applications"

Mini-Symposium:

- "History and Development of Strong Interaction Physics in Latin America", Coordinator: E.Ferreira

Seminars: 20+5 min.

1. C.Vasconcelos: “Quark Stars - Revisited”
2. M.Malheiro: “Quark Matter in Chromodielectric Model”
3. M.G.Ducati: “Unitarity Corrections to Structure Functions”
4. T.Osada: “Event by Event Hydrodynamics”
5. J. Castillo: “Multistrange hadrons at STAR”

   Further seminars to be selected among posters of Fellows/Students