

***15th Annual Graduate School of Particle Physics  
Joint Belgian-Dutch-German Summer School  
Tagungsstätte Walberberg***

Ian C. Brock  
Physikalisches Institut  
University of Bonn



# Organisation

- Bonn:
  - Ian Brock
  - Michael Kobel
  - Stefan Goers
  - Udo Idschok
  - Valja Gebhardt
- Walberberg:
  - Frau Grugel
  - Reception 8:00-19:00



# Scientific Programme

10 h	Field theory (+ tutorials)	Arthur Hebecker (DESY)
10 h	Electroweak (+ tutorials)	Michel Tytgat (Brussels)
4 h	Tracking Detectors	Archana Sharma (CERN)
4 h	Neutrinos	Pierre Vilain (Brussels)
4 h	CP Violation	Gerhard Raven (NIKHEF)
4 h	Proton Collider Physics	Thomas Hebbeker (Aachen)
4 h	e+e- Collider Physics	Markus Schumacher (Bonn) + Stefan Roth (Aachen)
3 h	HERA Physics	Hans-Christian Schultz-Coulon (Dortmund)

# Timetable

FIRST WEEK					
			15:00-15.15	15:15-16:00	16.15-17:00
Sept. 15			Welcome	Tracking Detectors	Tracking Detectors
	9:00-10.45	11.15-12:00	14:00-14.45	15:15-17:00	17.15-18:00
Sept. 16	Field Theory	Tracking Detectors	Tracking Detectors	Tutorial	Student lecture
Sept. 17	Field Theory	Neutrinos	HERA Physics	Tutorial	Student lecture
Sept. 18	Field Theory	Neutrinos	HERA Physics	Tutorial	Neutrinos
<b>Evening Lecture 20:00</b>		Klaus Sandmann	Financial markets		
Sept. 19	Field Theory	Neutrinos	HERA Physics	Tutorial	Student lecture
Sept. 20	Field Theory	e+e- Collider Physics	e+e- Collider Physics	Tutorial	

- Evening lecture 18 Sept
  - Prof. Klaus Sandmann (Bonn)
  - Title will be announced later

# Timetable

SECOND WEEK					
	9:00-10.45	11.15-12:00	14:00-14.45	15:15-17:00	17.15-18:00
Sept. 22	Electroweak	e+e- Collider Physics	e+e- Collider Physics	Tutorial	Student lecture
Sept. 23	Electroweak	CP Violation	CP Violation	Tutorial	Student lecture
Sept. 24	Electroweak	CP Violation	CP Violation	Tutorial	Student lecture
<b>Evening Lecture 20:00</b>		Vincent Icke	Dark matter, dark energy, dark ages		
Sept. 25	Electroweak	Proton Collider Physics	Proton Collider Physics	Tutorial	Tutorial
Sept. 26	Electroweak	Proton Collider Physics	Proton Collider Physics		

- Evening lecture 24 Sept
  - Prof. Vincent Icke (Leiden)
  - Dark matter, dark energy, dark ages

# *Student Talks*

- 12-15 talks announced
- 2-3 talks per day
- 15-20 minutes per talk + discussion
- Remember that your audience probably does not know much about your experiment!
- Michael Kobel will assign dates/times



# *Excursion*

- Sunday 21 September – 09:30 – 19:30
  - Deutsches Museum
  - Ahr Valley
  - Ahrweiler
  - Wine tasting
- Sign up sheet available with more details of what is planned
- Try to arrange a trip to Schloss Augustusburg in 2<sup>nd</sup> week



# Meals

- Meals – all in Room 2
  - Breakfast 08:00-09:00
  - Coffee 10:45-11:15
  - Lunch 12:30-13:30
  - Coffee 14:45-15:15
  - Dinner 18:30-19:30
- Barbecue Wed 18 Sept
  - Outside / Room 1



# Club Room

- Club Room
  - Reserved for us for the 2 weeks
  - Drinks – sign-up sheet
  - Do not forget to note what you take – you pay at the end of the school
  - Pool table in club room
- Laptop has a DVD drive!
- Ursula Meyer has keys for seminar room and club room



# Miscellaneous

- Internet
  - ISDN access @ 13 cent/unit!
  - 8:00-19:00 key from reception; after 19:00 sign-up list
  - Review how it works in first few days
- Telephone
  - Public phone available on 1<sup>st</sup> floor
- Recreation
  - Table-tennis, fitness, pool table
  - Large grassy area – football, volleyball, frisbee, ...
  - Extensive grounds; nice lake nearby



# *Name of School*

- Looking for a good title for the school
- "15th Annual Graduate School of Particle Physics  
Joint Belgian-Dutch-German Summer School"  
is toooooo long!
- Prize to person(s) who come up with a good, acceptable  
title
- Decision to be taken before evening lecture on 24  
September



# *Summary*

- Enjoy your 2 weeks here in Tagungsstätte Walberberg!

