

Program Multi-Time Spring School (April 10-12, 2019)

Wednesday, April 10	Thursday, April 11	Friday, April 12
	9:00-10:35 Lecture 3	9:00-10:35 Lecture 6
	10:35-11:00 Coffee break	10:35-11:00 Coffee break
	11:00-12:30 Lecture 4	11:00-12:30 Lecture 7
12:30-13:45 Lunch break	12:30-13:45 Lunch break	12:30-13:45 Lunch break
13:45-14:15 Arrival, welcome address	13:45-15:30 Exercise session 1	13:45-15:30 Exercise session 2
14:15-15:45: Lecture 1	15:30-15:50 Coffee break	15:30-16:00 Short talk 2
15:45-16:05 Coffee break	15:50-16:20 Short talk 1	16:00-16:20 Coffee break and farewell
16:05-17:50 Lecture 2	16:25-17:55 Lecture 5	
18:30 Dinner 1 (Zum Alten Fritz)	18:45 Dinner 2 (Neckarmüller)	

Topics for lectures

1. Introduction and overview (Roderich Tumulka)
2. Consistency conditions and interaction potentials (Sören Petrat)
3. Relativistic point interactions in 1+1 dimensions (Matthias Lienert)
4. Multi-time formulation of QFTs part 1: basics and first examples (Sören Petrat)
5. Multi-time formulation of QFTs part 2: further topics (Sören Petrat) and interior-boundary conditions for multi-time wave functions (Matthias Lienert)
6. Born's rule for arbitrary Cauchy surfaces (Roderich Tumulka)
7. Multi-time integral equations (Matthias Lienert)

Short talks: 1. Sascha Lill: "Rigorous proof of existence and uniqueness of dynamics for a multi-time QFT model", 2. Markus Nöth: "Two Dirac Particles Interacting Directly"

Version from: April 8, 2019