

## Working Group on Philosophy of Physics Arbeitsgruppe Philosophie der Physik (AGPhil)

Meinard Kuhlmann  
Philosophisches Seminar  
Johannes-Gutenberg-Universität  
55099 Mainz  
mkuhlmann@uni-mainz.de

Christian Wüthrich  
Département de Philosophie  
Université de Genève  
CH-1211 Genève 4  
Christian.Wuthrich@unige.ch

Radin Dardashti  
Philosophisches Seminar/IZWT  
Bergische Universität Wuppertal  
42119 Wuppertal  
dardashti@uni-wuppertal.de

### Overview of Invited Talks and Sessions (Lecture hall H-HS IV)

#### Invited Talks

|            |     |             |          |   |
|------------|-----|-------------|----------|---|
| AGPhil 3.1 | Tue | 17:00–17:45 | H-HS IV  | <b>Why initial conditions aren't so special</b> — ●MATT FARR                                    |
| AGPhil 3.2 | Tue | 17:45–18:30 | H-HS IV  | <b>How to be a Spacetime Functionalist.</b> — ●ELEANOR KNOX                                     |
| AGPhil 5.1 | Wed | 14:00–14:45 | H-HS III | <b>Laws of nature and their modal surface structure</b> — ●ANDREAS HÜTTEMANN                    |
| AGPhil 5.3 | Wed | 15:15–16:00 | H-HS III | <b>When do we stop digging? Conditions on a fundamental theory of physics</b> — ●KAREN CROWTHER |
| AGPhil 6.1 | Wed | 16:30–17:15 | H-HS III | <b>Quantum metaphysics</b> — ●ALASTAIR WILSON   |

#### Invited talks of the joint symposium SYEN

See SYEN for the full program of the symposium.

|          |     |             |        |   |
|----------|-----|-------------|--------|---|
| SYEN 1.1 | Thu | 11:00–11:40 | J-HS D | <b>Entanglement and Complexity in Quantum Many-Body Systems</b> — ●TOMAZ PROSEN       |
| SYEN 1.2 | Thu | 11:40–12:20 | J-HS D | <b>Entanglement and Explanation</b> — ●CHRIS TIMPSON                                  |
| SYEN 1.3 | Thu | 12:20–13:00 | J-HS D | <b>Production and observation of entanglement in quantum optics</b> — ●ROMAN SCHNABEL |

#### Sessions

|                  |     |             |          |                                     |
|------------------|-----|-------------|----------|-------------------------------------|
| AGPhil 1.1–1.3   | Mon | 11:00–12:30 | H-HS III | <b>Statistical Mechanics</b>        |
| AGPhil 2.1–2.4   | Tue | 11:00–13:00 | H-HS IV  | <b>Space, Time and Symmetry I</b>   |
| AGPhil 3.1–3.2   | Tue | 17:00–18:30 | H-HS IV  | <b>Space, Time and Symmetry II</b>  |
| AGPhil 4.1–4.4   | Wed | 11:00–13:00 | H-HS III | <b>Space, Time and Symmetry III</b> |
| AGPhil 5.1–5.3   | Wed | 14:00–16:00 | H-HS III | <b>Laws of Nature</b>               |
| AGPhil 6.1–6.3   | Wed | 16:30–18:15 | H-HS III | <b>Quantum Theory I</b>             |
| AGPhil 7         | Wed | 18:30–19:00 | H-HS III | <b>Annual General Meeting</b>       |
| AGPhil 8.1–8.4   | Thu | 14:00–16:00 | H-HS III | <b>Quantum Theory II</b>            |
| AGPhil 9.1–9.3   | Thu | 16:30–18:00 | H-HS III | <b>Quantum Theory III</b>           |
| AGPhil 10.1–10.4 | Fri | 11:00–13:00 | H-HS III | <b>General Topics I</b>             |
| AGPhil 11.1–11.3 | Fri | 14:00–15:30 | H-HS III | <b>General Topics II</b>            |
| AGPhil 12.1–12.1 | Mon | 10:00–18:00 | H-HS III | <b>Poster (Monday - Friday)</b>     |

#### Annual General Meeting of the Working Group on Philosophy of Physics

Wednesday 18:30–19:00 H-HS IV

- Wahlen
- Bericht
- Planung 2020/21

- Verschiedenes