



On **Tuesday September 10**, the Leiden Institute of Physics (LION) organizes the ninth edition of its annual Science Day. The goal is to highlight the newest research at LION, to socialize, and of course to welcome first year master students and new PhD students to our institute.

We will organize an in-person event at the Hortus Botanicus in Leiden <https://www.hortusleiden.nl/>. There will be talks about research, and ample time to wander amongst exotic plants and discuss the challenges and joy of doing physics. Coffee, tea and lunch will be provided. The day will end with drinks for PhD and Master students.

For the planning, we ask you to register by Monday **September 4** at [this link](#). All members of the LION community are also welcome. We will have special 'advice sessions' for Master students and first year PhD's.

Program:

	Session 1	Chair: Silke Henkes
10:10	Sense-Jan v.d. Molen	Welcome
10:20	Alessandra Silvestri	Exploring the Dark Universe with Euclid
10:40	Evert van Nieuwenburg	AI representations of quantum systems
11:00	Coffee	
11:20	<i>Socialize</i>	
	Session 2	Chair: TBD
11:40	Maarten de Jong	Star Track - Tracking of astrophysical sources with high-energy neutrinos
12:00	Alexandre Morin	Synthetic active matter - studying collective motion in the lab
12:20	Martin van Hecke	Information processing in complex energy landscapes
12:40	<i>Lunch</i>	
	Session 3	Chair: TBD
13:40	David Hintzen	Advice for master students
14:00	Michiel Thijssen	My first quantum experience
14:20	Mengshi Wei	Adaptive Dynamics: Autonomous Movement Patterns of Active Flexible Chains.
14:40	Ivo van Vulpen	Science communication in physics
15:00	<i>Socialize</i>	
	Session 4	Chair: TBD
15:20	Alicja Dutkiewicz	PhD advice
15:40	Semonti Bhattacharyya	Emergent phenomena in atomically thin Legos
16:00	Jan Krzywda	Anyway the Wind Blows: Online Bayesian Tracking and Feedback of Correlated Noise in Spin Qubit Devices
16:20	<i>End / Horticulture self-study in the park</i>	
17:00	Drinks for Master/Phd students	Ilse Kuijf, Katerina Saiti