

北京理工大学国际暑期学校活动安排计划表

时间	活动安排	主讲人
July 15 th	<p>1. Morning: (8:00-9:35) (2 class hours) Fundamental of magnetism and spintronics.</p> <p>2. Morning: (9:55-12:20) (3 class hours) Tunneling and scattering in quantum mechanics. Scattering matrix, transfer matrix.</p> <p>3. Afternoon: (13:20-14:55) (2 class hours) project work</p> <p>4. Afternoon: (15:15-17:40) (3 class hours) Fundamental of magnetism and spintronics.</p>	<p>1. Prof. Irina Bobkova</p> <p>2. Prof. Alexei Aladyshkin</p> <p>3. Bobkova, Aladyshkin, Assistants</p> <p>4. Prof. Irina Bobkova</p>
July 16 th	<p>1. Morning: (8:00-9:35) (2 class hours) Particle in quantum well/wells. Quantum-size effect. Resonant tunneling.</p> <p>2. Morning: (9:55-12:20) (3 class hours) Fundamental of magnetism and spintronics.</p> <p>3. Afternoon: (13:20-14:55) (2 class hours) project work</p> <p>4. Afternoon: (15:15-17:40) (3 class hours) Quasi-classical WKB approximation. Bohr-Sommerfeld quantization rule. Kemble formula.</p>	<p>1. Prof. Alexei Aladyshkin</p> <p>2. Prof. Irina Bobkova</p> <p>3. Assistants</p> <p>4. Prof. Alexei Aladyshkin</p>

<p>July 17th</p>	<p>1. Morning: (8:00-9:35) (2 class hours) Quasi-stationary states in quantum mechanics. Alpha-decay.</p> <p>2. Morning: (9:55-12:20) (3 class hours) Fundamental of magnetism and spintronics.</p> <p>3. Afternoon: (13:20-14:55) (2 class hours) Project work</p> <p>4. Afternoon: (15:15-17:40) (3 class hours) Project work</p>	<p>1. Prof. Alexei Aladyshkin</p> <p>2. Prof. Irina Bobkova</p> <p>3. Assistants</p> <p>4. Assistants</p>
<p>July 18th</p>	<p>1. Morning: (8:00-9:35) (2 class hours) Tunneling in normal-metal junctions. Tunneling conductivity. Field emission.</p> <p>2. Morning: (9:55-12:20) (3 class hours) Fundamental of magnetism and spintronics.</p> <p>3. Afternoon: (13:20-14:55) (2 class hours) Project work</p> <p>4. Afternoon: (15:15-17:40) (3 class hours) Project work</p>	<p>1. Prof. Alexei Aladyshkin</p> <p>2. Prof. Irina Bobkova</p> <p>3. Assistants</p> <p>4. Assistants</p>
<p>July 19th</p>	<p>1. Morning: (8:00-9:35) (2 class hours) Scanning tunneling microscopy and spectroscopy. Quantum-size effects in tunneling. Spin-dependent tunneling in</p>	<p>1. Prof. Alexei Aladyshkin</p>

	<p>ferromagnetic contacts. Tunneling magnetoresistance.</p> <p>2. Morning: (9:55-12:20) (3 class hours) Project work</p> <p>3. Afternoon: (13:20-14:55) (2 class hours) Project work</p> <p>4. Afternoon: (15:15-17:40) (3 class hours) Project work</p>	<p>2. Assistants</p> <p>3. Assistants</p> <p>4. Assistants</p>
July 22 nd	<p>1. Morning: (8:00-9:35) (2 class hours) Project work</p> <p>2. Morning: (9:55-12:20) (3 class hours) Project work</p> <p>3. Afternoon: (13:20-14:55) (2 class hours) Project work</p> <p>4. Afternoon: (15:15-17:40) (3 class hours) Project work</p>	<p>1. Assistants</p> <p>2. Assistants</p> <p>3. Assistants</p> <p>4. Assistants</p>
July 23 rd	<p>1. Morning: (8:00-9:35) (2 class hours) Project work</p> <p>2. Morning: (9:55-12:20) (3 class hours) Project work</p> <p>3. Afternoon: (13:20-14:55)</p>	<p>1. Assistants</p> <p>2. Assistants</p> <p>3. Assistants</p>

	<p>(2 class hours) Project work 4. Afternoon: (15:15-17:40) (3 class hours) Project work</p>	<p>4. Assistants</p>
<p>July 24th</p>	<p>1. Morning: (8:00-9:35) (2 class hours) Project conference 2. Morning: (9:55-12:20) (3 class hours) Project conference</p>	<p>1. All professors and assistants 2. All professors and assistants</p>