

2025 年度 核融合科学研究所 第 14 回 ITER 国際スクール参加支援
実施報告書

IIS2025 参加支援			
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派遣期間	2025 年 6 月 28 日 ~ 2025 年 7 月 04 日 (7 日間)		
得られた成果等 (行数は適宜増や してください)	<p>1. 本スクールでの印象に残った講義やイベント等</p> <p>At the ITER International School 2025, the most impressive lecture for me was titled “Integrated Modelling for Fast Particle & MHD” by Dr. Ph. Lauber. In this lecture, the challenge of energetic particle transport in hot fusion plasmas was explored in depth. After a brief review of EP sources and their associated function characteristics, he introduced various transport mechanisms. Additionally, a major highlight of this school was the visit to the ITER construction site. Seeing the world’s largest tokamak being built in person was an amazing experience. The huge size and complex design of the facility gave me a better understanding of the difficulties in building a fusion power plant.</p> <p>These experiences helped me understand fusion physics and modeling more clearly, and they gave me new motivation to continue my research on energetic particle confinement.</p> <p>2. 本スクールに参加して新たに得られた知見や技能等</p> <p>In the ITER International School 2025, I gained a deeper understanding of integrated modeling for fusion plasmas, especially for energetic particle transport and MHD instabilities. I also had the opportunity to present my current research in the poster session to fellow students, researchers, and experts in the field. This experience allowed me to receive valuable feedback and exchange ideas with other participants. The school also helped me improve my scientific communication skills through interactions with international researchers and students during lectures and poster sessions.</p> <p>3. 他国の参加者との交流状況について</p> <p>During the ITER International School 2025, I had many opportunities to interact with students and researchers from various countries. Through group discussions during coffee break, lectures, and poster sessions, I was able to exchange ideas and share research experiences with participants. Outside of the formal sessions, I also joined social events and informal gatherings, where I was able to build friendly relationships and expand my international network. These experiences not only improved my communication skills in English but also gave me a better understanding of the global fusion research community.</p>		

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	<p>4. 自分自身の今後の研究・職務等への効果について</p> <p>The knowledge I gained on integrated modeling, energetic particle transport, and multi-scale plasma interactions may support my ongoing work on energetic particle confinement using the Imaging Neutral Particle Analyzer (INPA) in the Large Helical Device (LHD).</p> <p>5. その他、特筆すべき事項、重要な課題、スクールの感想、事業への要望等</p> <p>The ITER International School 2025 was a valuable and inspiring experience. The lectures were well-organized, and the ITER construction site visit was motivating. I gained useful insights into integrated modeling of energetic particle. However, the weather was extremely hot during the program. For future events, I recommend holding the school in a cooler season to improve comfort and concentration. Overall, I am grateful for the opportunity to attend and highly appreciate the efforts of the organizers.</p>
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