

# 物理学第一分野DC3回生研究発表会御案内

下記の通り、DC3回生研究発表会を開催致します。  
オンライン (Zoom) でも配信します。

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日 時	2020年11月20日 (金) 9:00~16:20
場 所	理学研究科5号館 5階・第四講義室 (525号室)
発 表	20分 (別に質問時間10分程度)

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発表の順番及び題目は次の通りです。

1. Quantum spin transport using ultracold ytterbium atoms  
with orbital degrees of freedom  
Koki Ono ( 9 : 0 0 )
2. Turbulent relative dispersion in two-dimensional energy  
inverse-cascade turbulence  
Tatsuro Kishi ( 9 : 3 0 )
3. Transport properties of photoexcited carriers and excitons in ultrapure diamond  
Kazuki Konishi ( 1 0 : 0 0 )
4. Unconventional quantum oscillations and thermal metallic state of  
charge-neutral fermions in Kondo insulator  $\text{YbB}_{12}$   
Yuki Sato ( 1 0 : 3 0 )

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11:00~11:10 休憩

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5. Controlling the polarization of high-order harmonics in solids by  
manipulating the trajectory of Bloch electrons  
Yasuyuki Sanari ( 1 1 : 1 0 )
6. Study on the characteristic motion of swimming droplets  
Saori Suda ( 1 1 : 4 0 )
7. Nonequilibrium quantum phenomena and topological  
superconductivity in atomic layer materials  
Hiroomi Chono ( 1 2 : 1 0 )

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12:40~13:40 昼休み

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8. Anisotropic response of spin susceptibility on a spin-triplet superconductor  $\text{UTe}_2$   
Genki Nakamine ( 1 3 : 4 0 )

9. Structure of single Xe nanoparticles upon crystallization

Akinobu Niozu (14 : 10)

10. Injection Locking of Resonant-Tunneling-Diode Terahertz Oscillator

Tomoki Hiraoka (14 : 40)

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15 : 10 ~ 15 : 20 休憩

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11. Identifying exogenous and endogenous activity in social media

Kazuki Fujita (15 : 20)

12. Theoretical study of nonlinear transport in parity-violating magnets

Hikaru Watanabe (15 : 50)