

Symposium on Optical Materials and its Measurements in UVSOR (SOMU2025)

Program (final ver.)

June 24th, 2025

日時:2025 年 6 月 24 日 (火)

Date : June 24th, 2025

場所:岡崎市明大寺町西郷中 38 分子科学研究所 「研究棟」201 号会議室

Venue : 「Main Office Bldg.」 room 201

Section 1	Users report (chair : Kurosawa / Matsui)	presentation
10:30 -10:40	Opening remark	Kurosawa (Tohoku U.)
10:40 -11:00	Measurement of luminescence characteristics of synthetic diamond at BL3 of UVSOR	<u>Umemoto</u> <u>(KEK) <Invited></u>
11:00 -11:20	Material search for red-NIR emitting scintillators <online>	<u>Kodama</u> <u>(Saitama U.)</u> <u><Invited></u>
11:20 -11:35	Temperature dependence of luminescence properties of Tl and Sr co-doped Cs ₃ Cu ₂ I ₅ crystal	Urano (Tohoku U.)
11:35 -11:50	Optical and Electronic Properties of Zero-Dimensional Type Lithium Hafnium Iodide Scintillator	Fujiwara (Tohoku U.)
11:50- 12:05	VUV spectroscopy of Pr ³⁺ -doped blue-to-UV upconversion glass	Kitagawa (AIST)
12:05- 13:30	lunch	
13:30- 14:00	VUV excitation spectroscopy and luminescence - Recent activities and achievements at DESY and MAX IV facilities	<u>V. Pankratov,</u> <u>(U. Latvia, Riga)</u> <u><Invited></u>
14:00- 14:20	Photoluminescence Decay Behavior of Plastic Scintillators with VUV Excitation – Contribution of Long Component Originating from Triplet Excited States	<u>Koshimizu</u> <u>(Shizuoka U.)</u> <u><Invited></u>
14:20- 14:35	Low-temperature photoluminescence properties of Ce ³⁺ -doped Lu ₃ Al ₅ O ₁₂ thick film phosphors grown via chemical vapor deposition	Ito (Yokohama N. U.)

14:40- 15:00	Energy Transfer Mechanism from Localized Exciton States to other Impurity Centers in Co-doped NaCl:F ⁻ , X (X= Tl ⁺ , Ce ³⁺ , etc.) Crystals	<u>Kawai</u> <u>(Osaka M. U.)</u> <u><Invited></u>
15:00- 15:20	Evaluation of the current situation of BL3B	<u>Kitaura</u> <u>(Yamagata U.)</u> <u><Invited></u>
	Break and photo	
Section 2	Potential Users (chair: Kitaura)	
15:50- 16:20	Luminescence and Scintillation Properties of Ce,Mg:Lu ₂ YGa _x Al _{5-x} O ₁₂ Ceramic Scintillators for Fast Timing Application	<u>W.Chewpraditkul</u> <u>(KMUTT)</u> <u><Invited></u>
16:20- 16:35	Temperature dependence of photoluminescence kinetics, scintillation properties, and coincidence time resolution of Mo co-doped Y _{1.5} Gd _{1.5} Al ₂ Ga ₃ O ₁₂ :Ce (Mo = 0, 300, 600 ppm) multicomponent garnet crystals	Warut Chewpraditkul (KMUTT)
	break	
Section 3	Discussion : the next UVSOR、光物性から見た次世代の UVSOR への要望	
16:50- 17:00	Status report on site from technical staffs	Iwayama
17:00- 17:45	Discussion	Kurosawa <u>Ueda (JAIST)</u> <u><Invited></u>

18:00 – reception at the same room

6 月 25 日 (水) / June 25th

Lab. tour / UVSOR

見学会、特に海外関係者、新規ユーザー向け

Meeting point : 「Main Office Bldg.」 room 201 at 9:45 a.m.

Presentation: English, speaking: English or Japanese (使用言語は日本語、英語 OK、スライドは極力英語で)