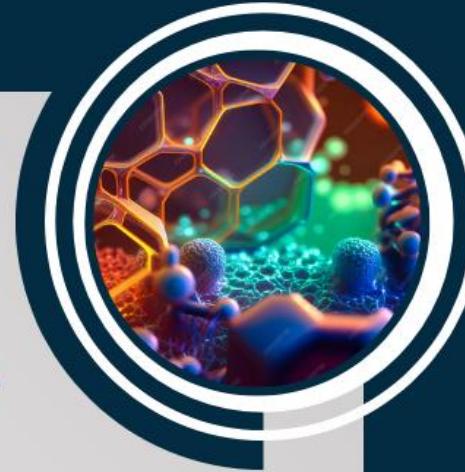




VI INTERNATIONAL WORKSHOP OF
THE GRADUATE PROGRAM ON
PHYSICS ENGINEERING



CERTIFICATE

Hereby we certify that the work **Termometria óptica por conversão ascendente assistida por plasmons em vidros Bi₂O₃–GeO₂ codopados com Er³⁺–Yb³⁺ e nanopartículas de prata**, submitted by **Ágabo P. Magalhães, João L. Passos, Jefferson M. B. Lima, Daniel Kendji Kumada, Rafael A. de Oliveira, Weliton S. Martins, Luciana R. P. Kassab, Albert S. Reyna** was presented as a Poster Communication by **Ágabo Pereira Magalhães** at the VI International Workshop of the Graduate Program on Physics Engineering at UFRPE, hosted in-person, from November 12th to 13th, 2025.

Cabo de Santo Agostinho – PE, 18th of November 2025.



RAFAEL ALVES DE OLIVEIRA
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