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## Optical Amplifier for Space Application

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The aim of the thesis work is to investigate the behavior of rare-earth-based optical amplifiers in a harsh environment from the perspective of ionizing radiation, such as that which characterizes space applications. To achieve this, an experimental/simulative approach is used to gain a comprehensive understanding of photonic systems.

**Orateur:** FACCHINI, Alberto (UJM)

**Classification de Session:** Session 2