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Colloquium of the Physics Department of ENS

Mercredi 12 Fevrier 2025, 13 :30
DPT-PHYS-ENS, salle ConfIV (Département de Physique de l'ENS - 24 rue Lhomond 75005 PARIS)
Domaines : physics

Titre : *Quantum communication networks*

Orateur : **Eleni Diamanti**

Résumé : *We discuss the main concepts, critical photonic resources, present efforts and challenges ahead aiming at the deployment of quantum communication networks at various stages of development, with both terrestrial and satellite links at a national and global scale. We present examples of applications of such networks spanning from ultrasecure communication to advanced cryptographic and communication protocols in distributed architectures.*