

# Diamantes para Sensado Cuántico

FAMAF



RRAFTA 2025

Fernando  
Meneses

# Esquema



Breve teoría



Dispositivos experimentales

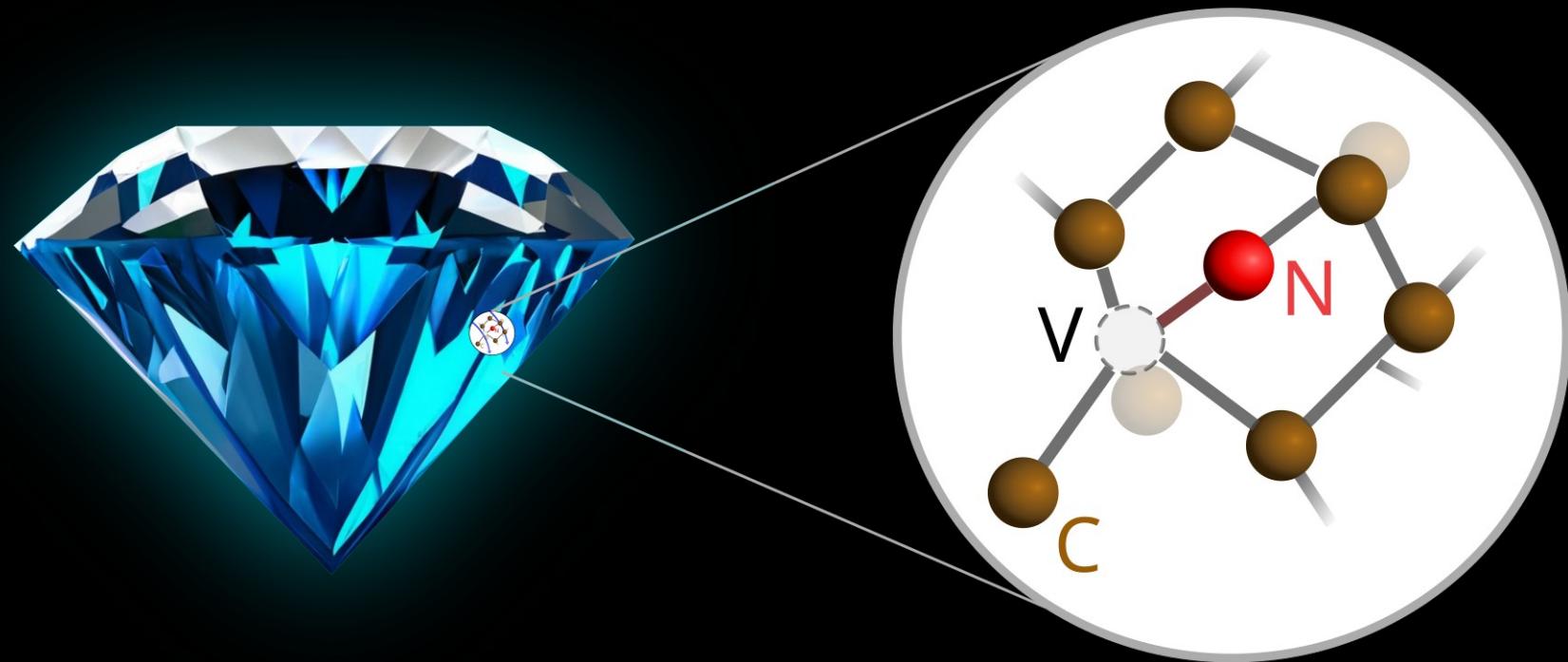


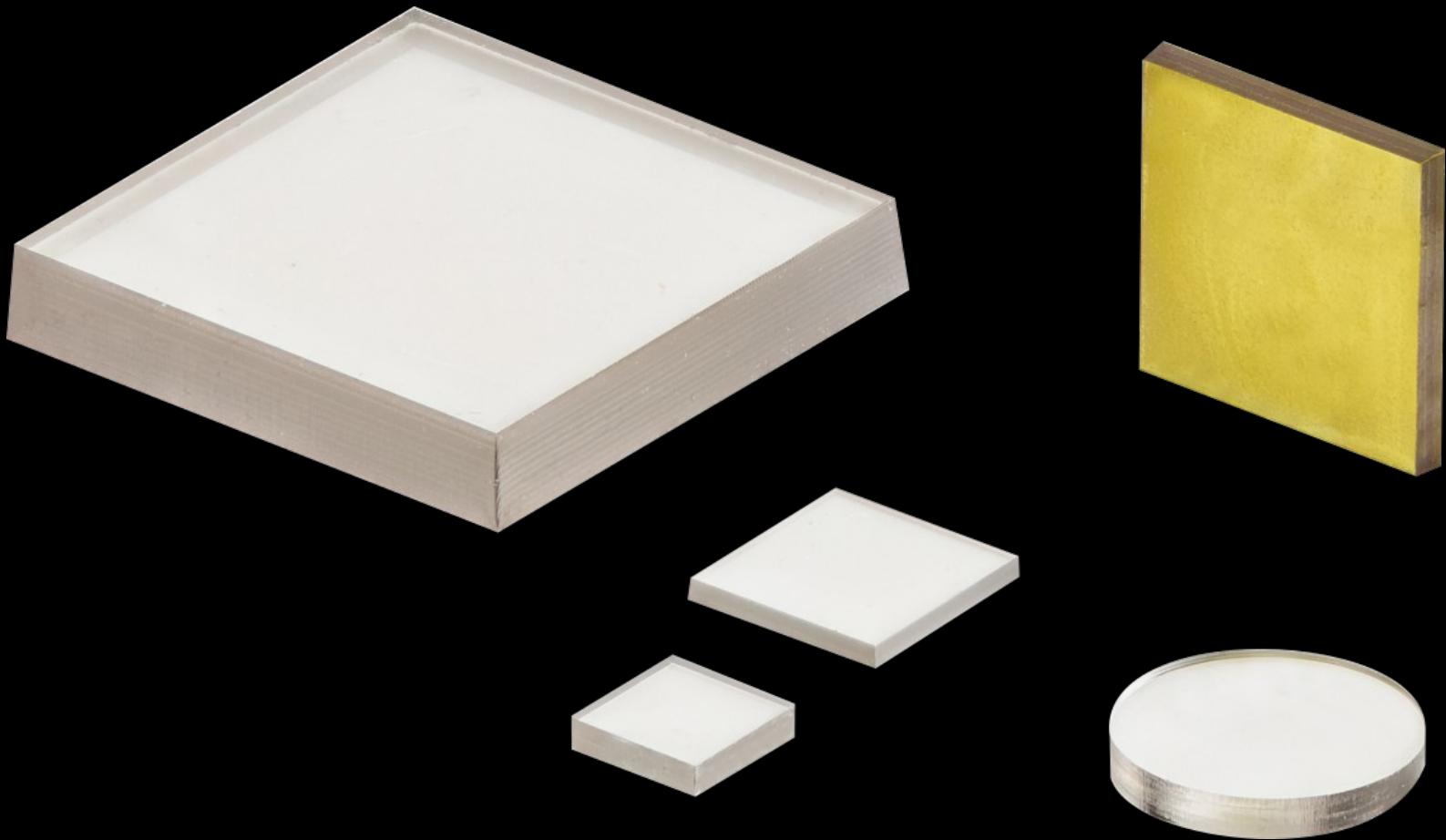
Aplicaciones



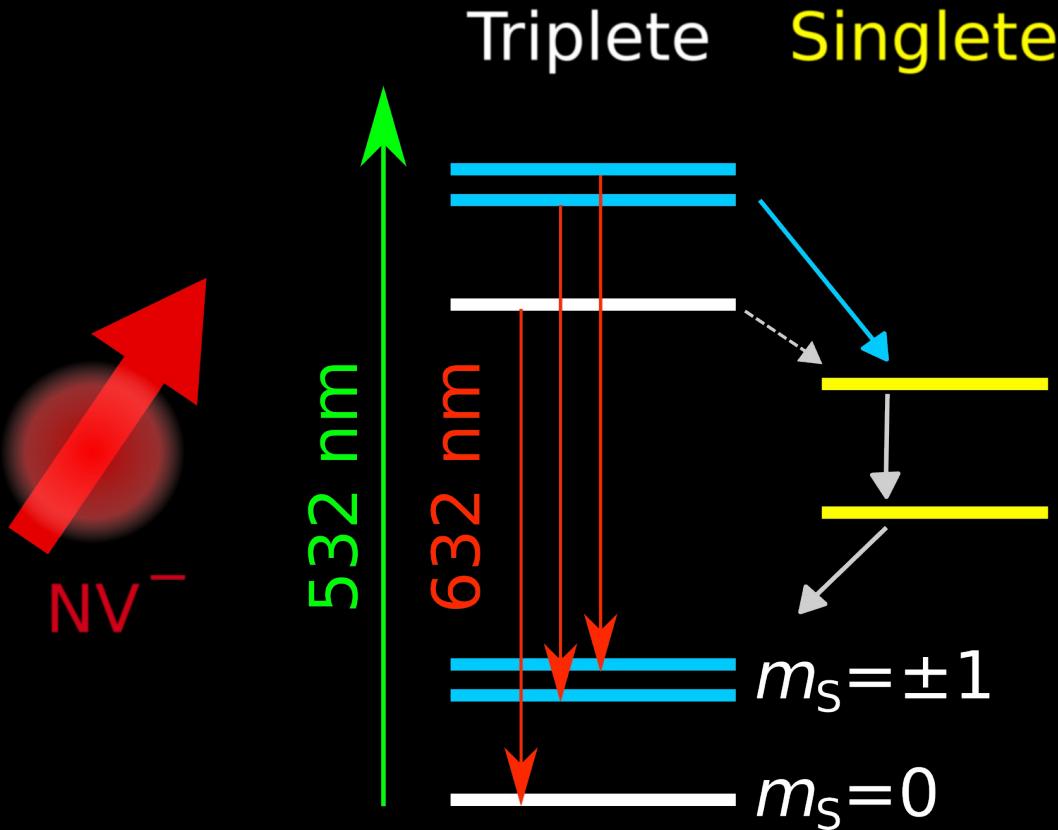
Resumen

# ¿Qué son los defectos NV?



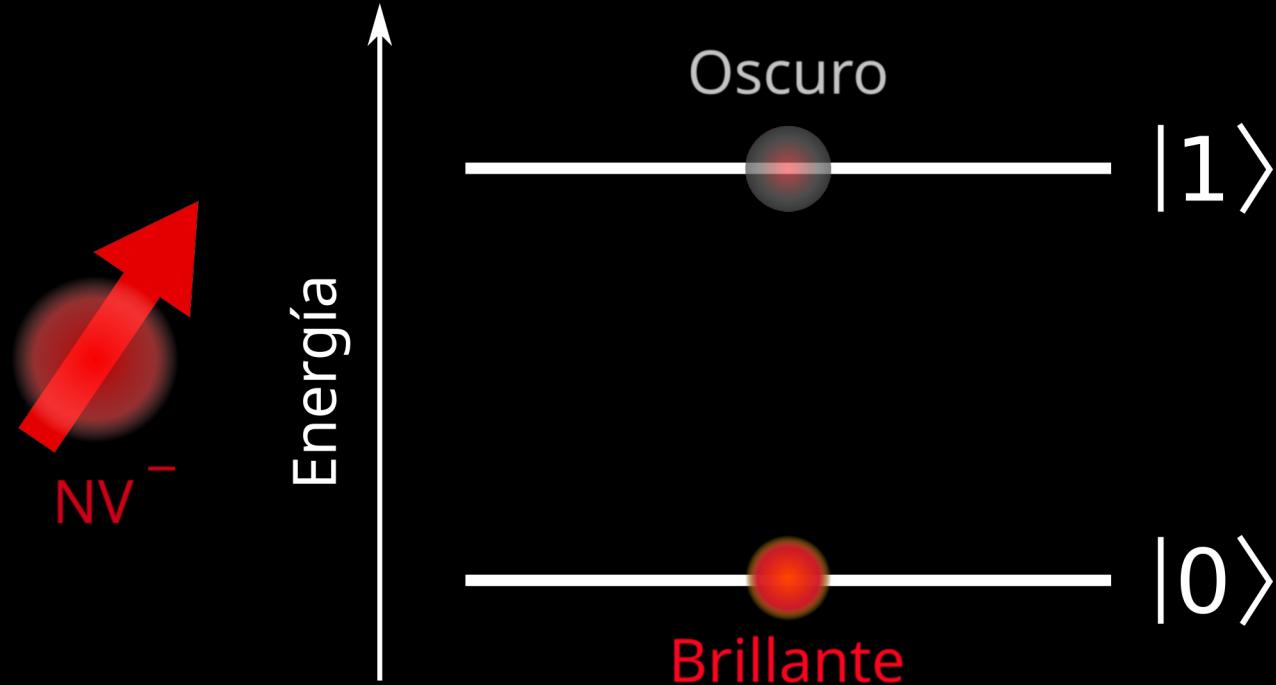


# Niveles cuánticos

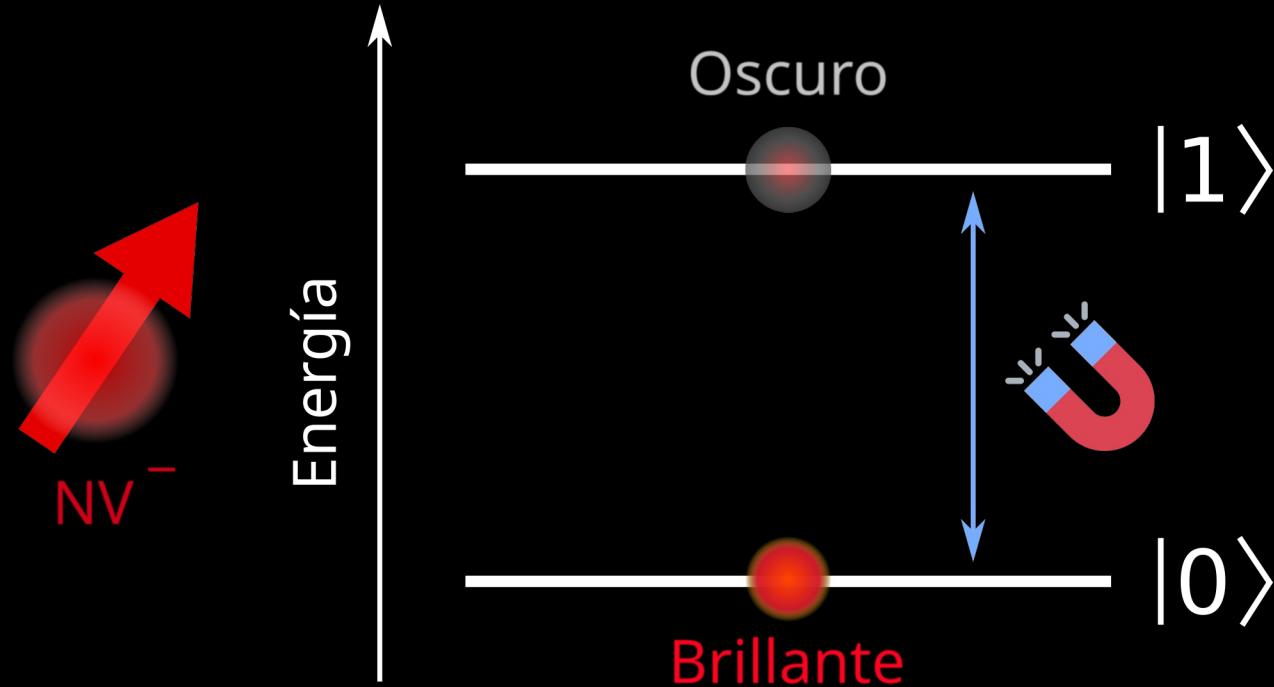




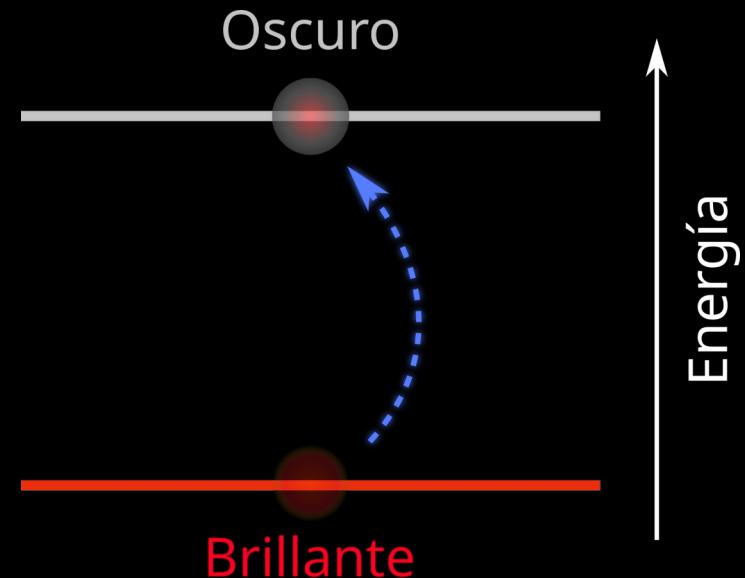
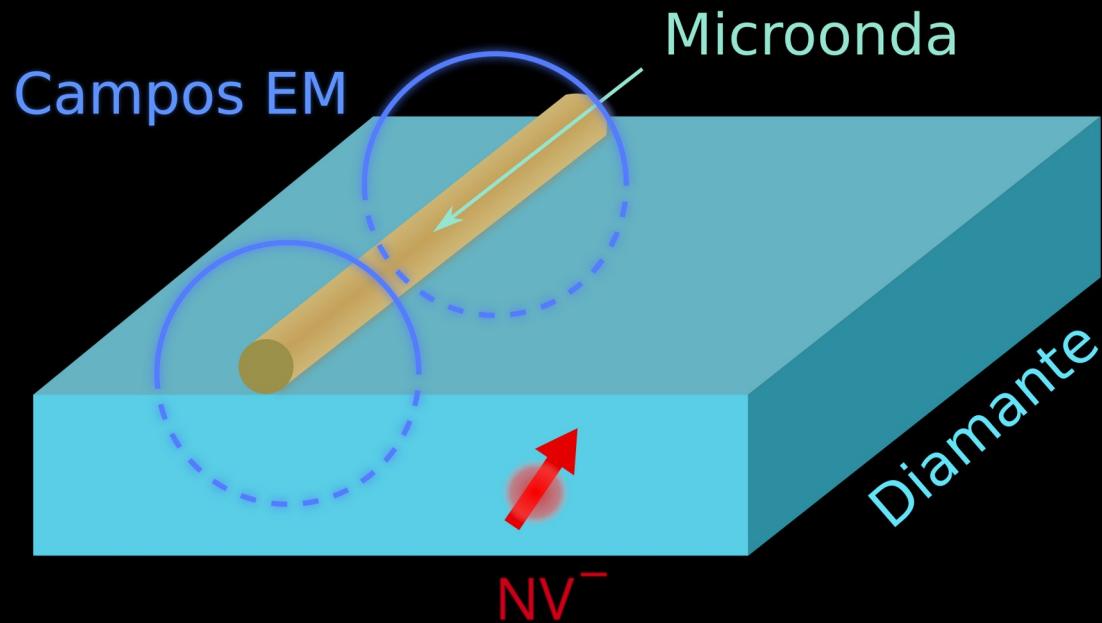
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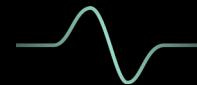
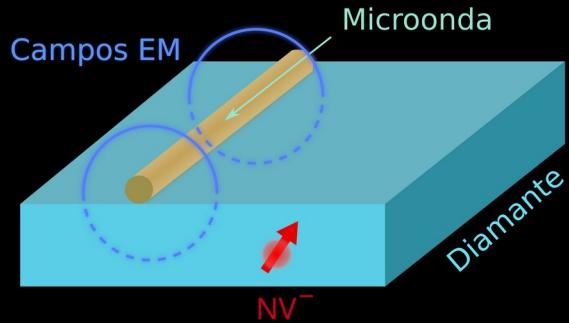
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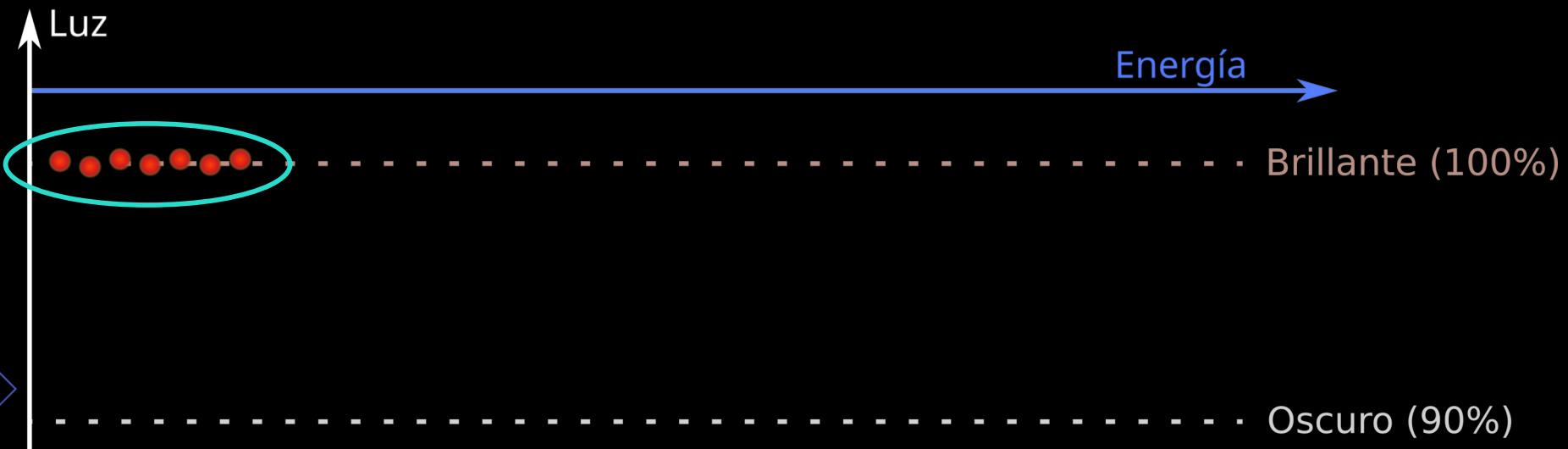
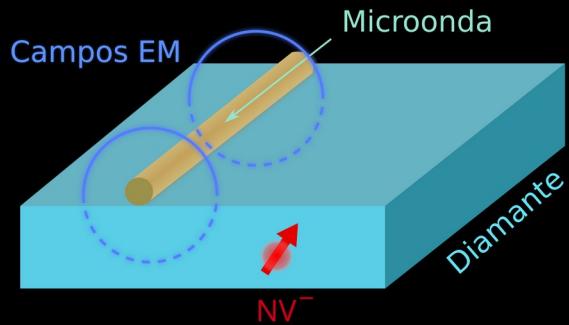
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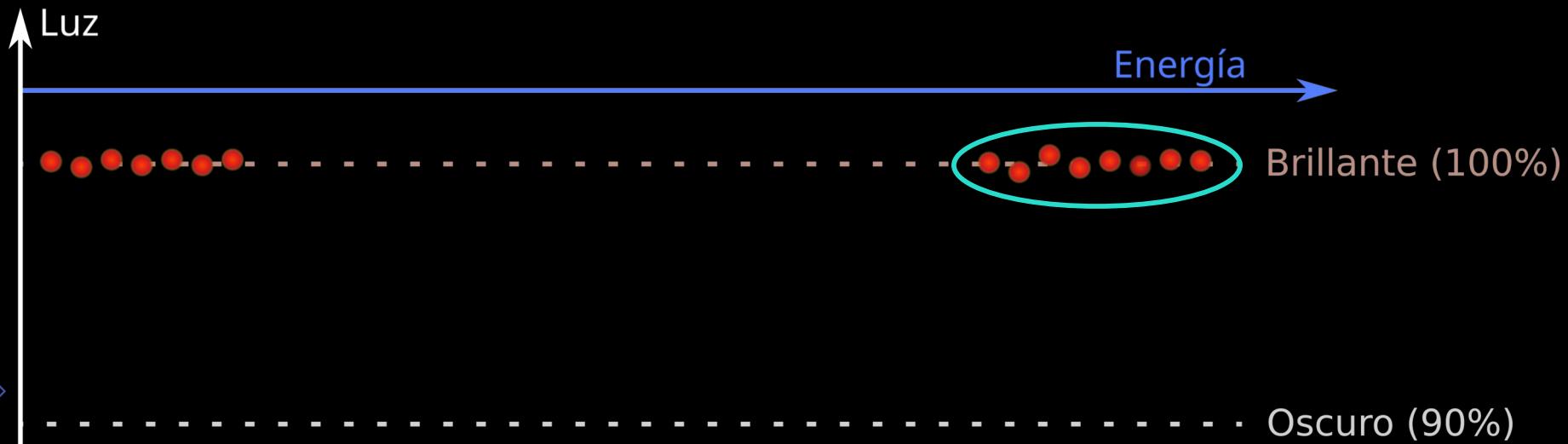
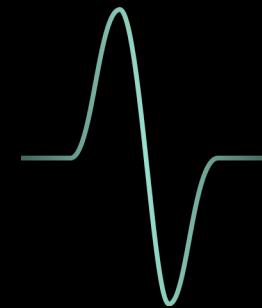
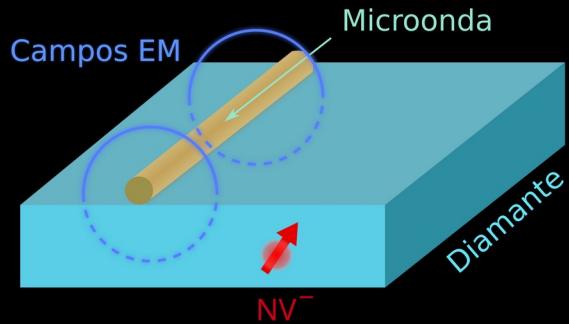
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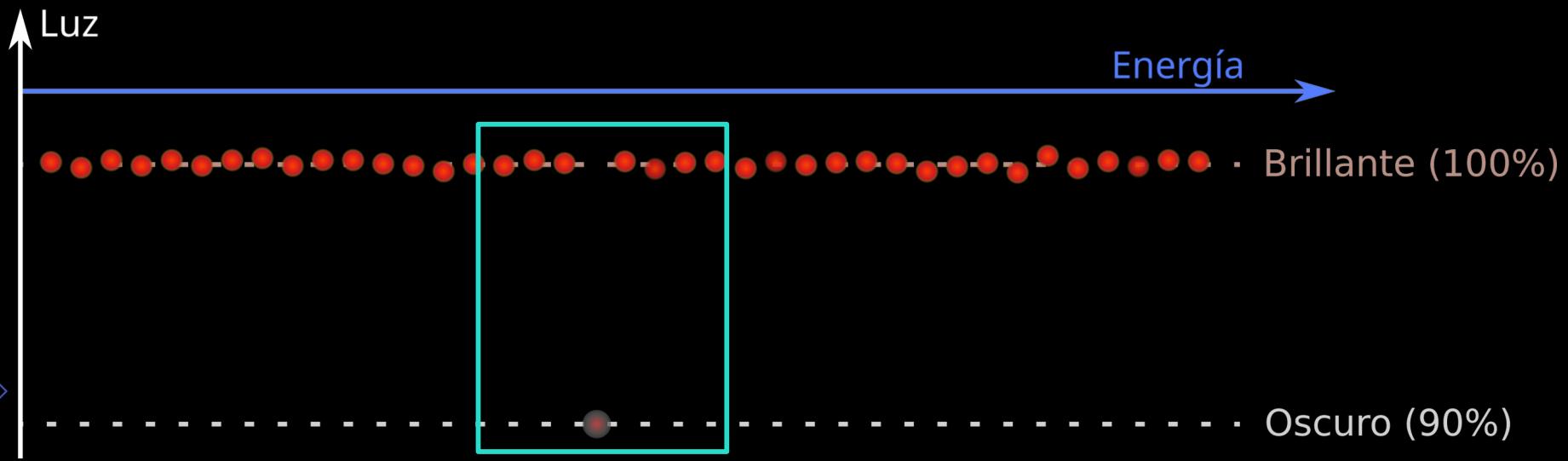
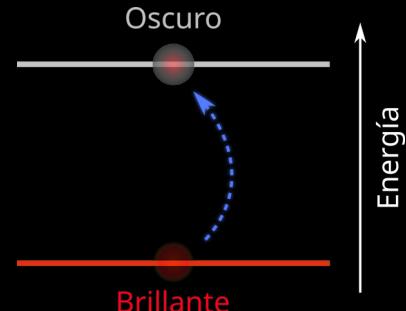
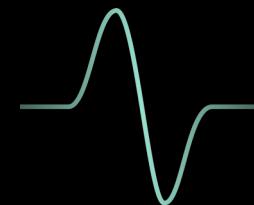
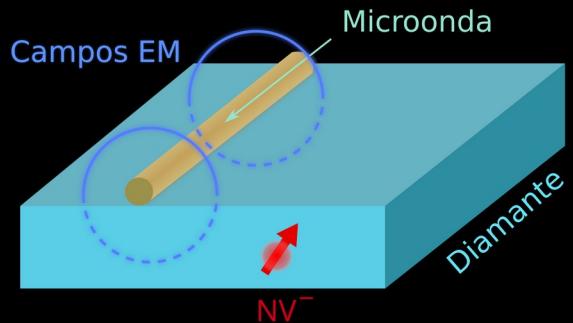
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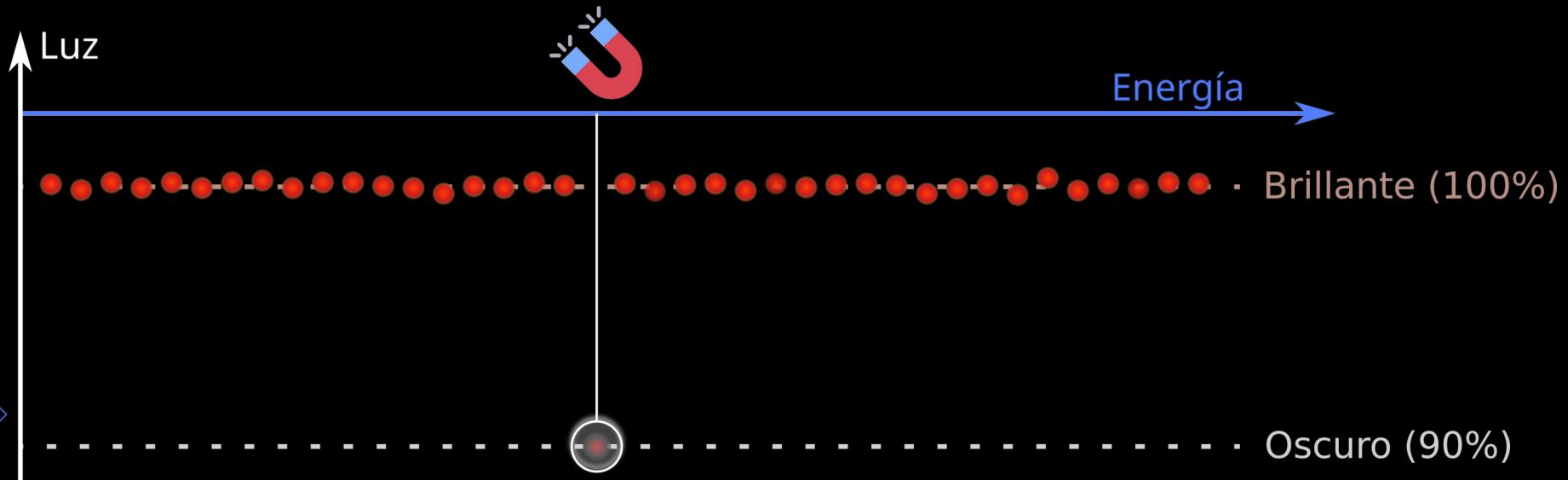
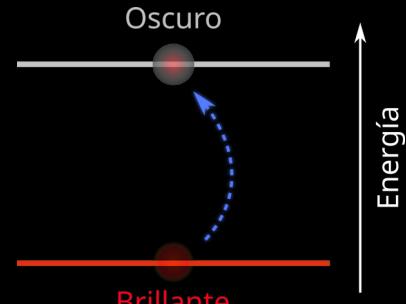
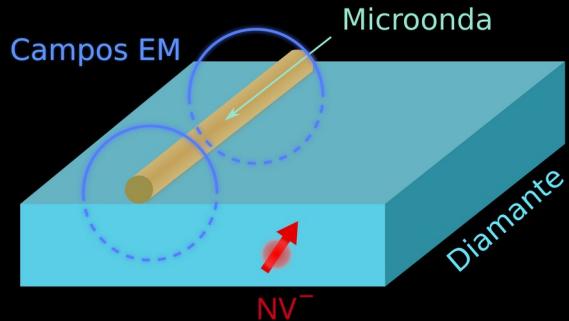
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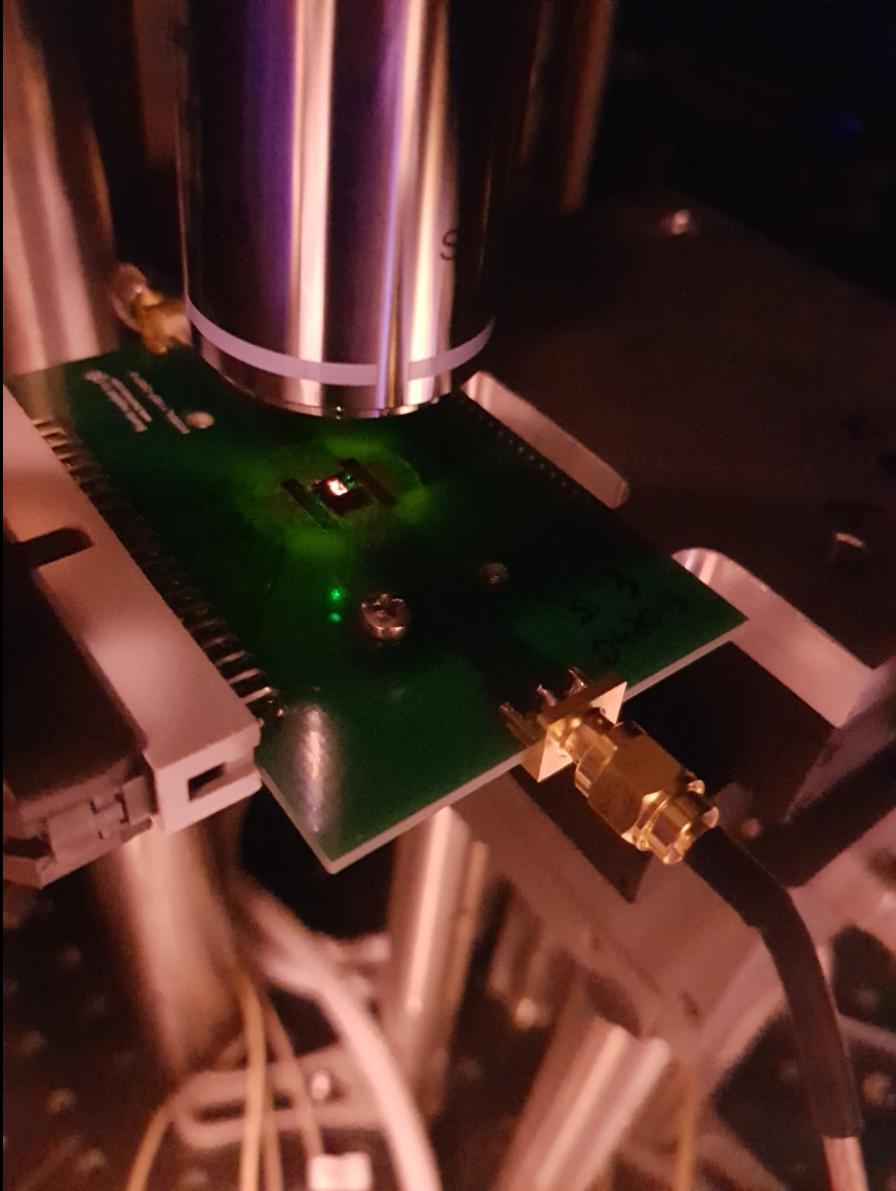
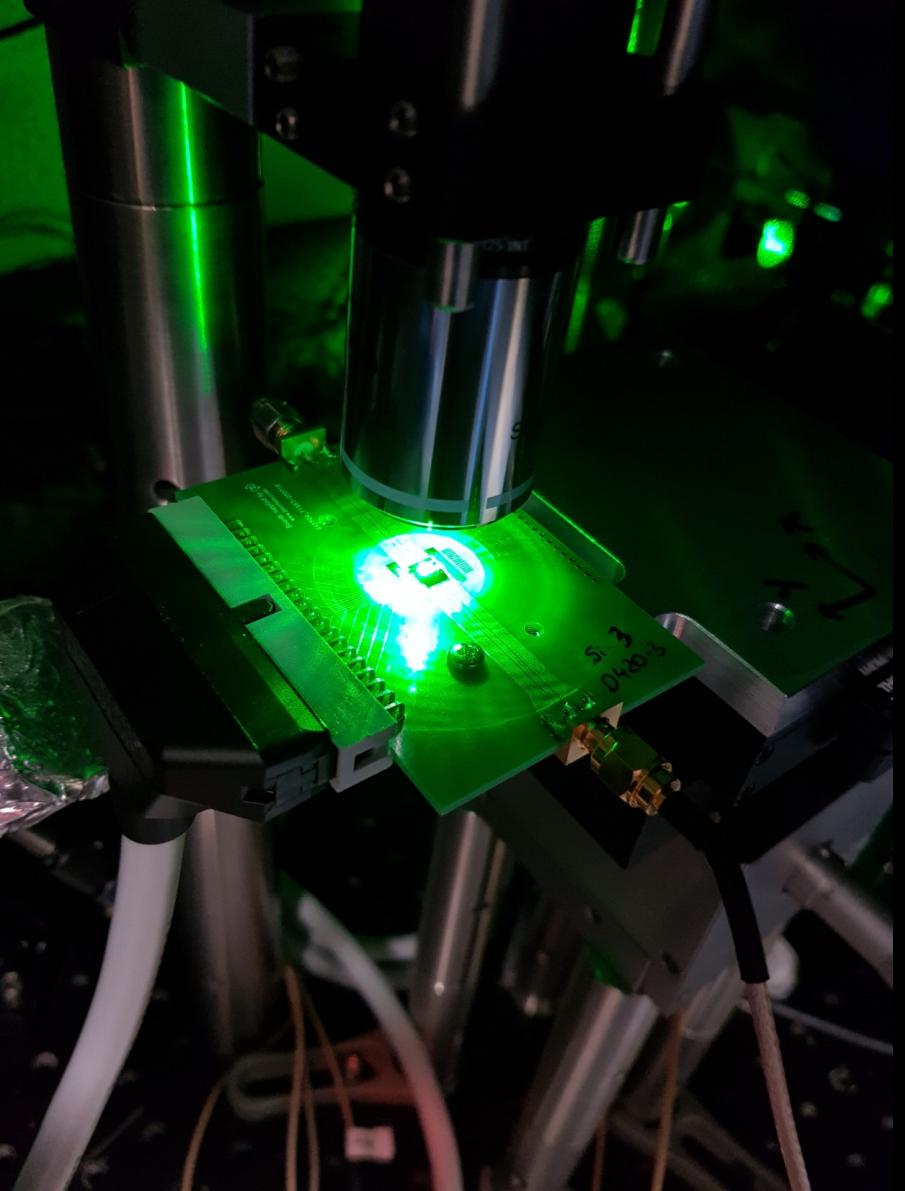


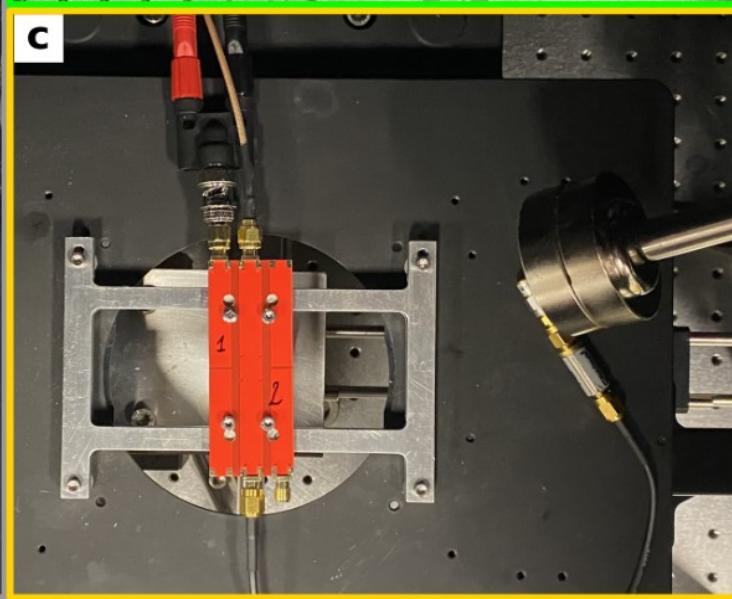
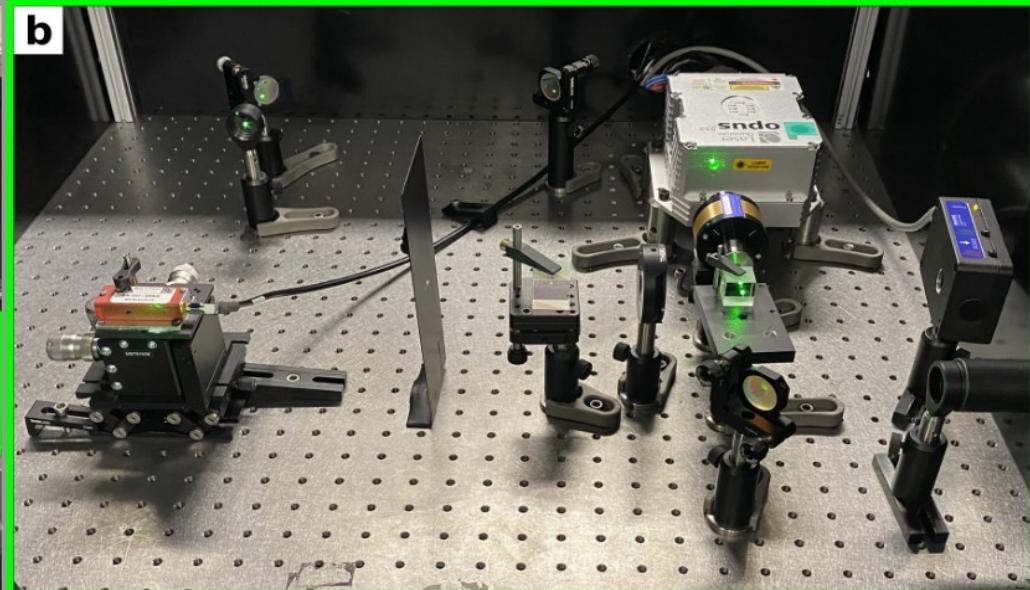
# Niveles cuánticos



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# Magnetómetros portables



Artículo: “Integrated and Portable Magnetometer Based on Nitrogen-Vacancy Ensembles in Diamond”

Stürner *et al.* 2021

