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primary electron beam is seldom used for treating internal tumors. However, high-energy electron beams with a suit-ably focused and con?ned dose pro?le could prove useful as a cost-effective alternative to proton- and other ion-therapy beams, or as an additional modality in electron and photon radiation therapy.15,16

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Confined photons In this unit, we will learn how to confine photons just as we do with electrons. This gives us power over the allowed modes of emission, allowing us to enhance the performance of lasers as well as develop 'threshold-less' lasers. I hope you enjoy this exciting topic as much as I do.

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## *p-n Junctions*

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## *Magnetic confinement of electron and photon radiotherapy ...*

Gopal Ramalingam, Poopathy Kathirgamanathan, Ganesan Ravi, Thangavel Elangovan, Bojarajan Arjun kumar, Nadarajah Manivannan and Kaviyarasu Kasinathan. Abstract. Quantum confinement is the spatial confinement of electron-hole pairs (excitons) in one or more dimensions within a material, and also electronic energy levels are discrete. It is due to the confinement of the electronic wave function to the physical dimensions of the particles.

## *Chapter Quantum Confinement Effect of 2D Nanomaterials*

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Quantum Collisions and Confinement of Atomic and Molecular Species, and Photons ... Applications Centre, Ahmedabad and the Jet Propulsion Laboratory at Caltech, Pasadena. His research interests include electron-molecule collisions in gas and condensed phase, molecular dynamics, electron and ion momentum imaging and spectroscopy, photoionization ...

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