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6. Quantum Electrodynamics 6. Quantum Electrodynamics In This Section We finally Get To Quantum Electrodynamics (QED), The Theory Of Light Interacting With Charged Matter. Our Path To Quantization Will Be As Before: We Start With The Free Theory Of The Electromagnetic field And See How The Quantum Theory Jan 18th, 2024 The Basics Of Quantum Electrodynamics, And Its Role In ... Diagrams, And

Generalizes To The Other QFT's Such As Quantum Chromo-dynamics (QCD) And Electroweak Theory. The Basics The Amplitude, M For A Process Can Be Written Down Using The Feynman Rules. The Cross-section, σ Is The Probability Of An Event Happening. The Differential Cross-section Jan 15th, 2024

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Introduction To Circuit Quantum Electrodynamics Many Quantum Circuits Make Use Of The Full Sinusoidal Capabilities Provided By The Josephson effect [16, e.g. And references therein]. However, we restrict ourselves in this Thesis To The Small Phase ($\varphi \ll 1$) Limit. In That Limit, We Have An Inductance That Is Approximately $L \propto 1/\varphi^2$

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