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# Quantum Simulations With Photons And Polaritons Merging Quantum Optics With Condensed Matter Physics Quantum Science And Technology By Dimitris G Angelakis

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*May 2nd, 2020 - many body problems are difficult to model analytically and are often so plex that they cannot be simulated accurately on a classical puter because quantum systems can be inherently correlated it has been proposed that such systems could be used to simulate other plex problems buluta and nori p 108 1 review the progress being made toward realizing quantum simulators'*

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## 'scientists bine light and matter to make particles with

**June 1st, 2020 - by allowing photons to interact with these shaken atoms the team has created what they call floquet polaritons quasi particles which are part light and part atom and unlike regular photons'**

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'interacting floquet polaritons nature

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