

# How to generate photons without a pigtail fiber

The JSON syntax is derived from JavaScript object notation syntax, but the JSON format is text only. Code for reading and generating JSON data can be written in any programming language.

We describe the preparation of a high spectral brightness, broad wavelength coverage, single-spatial mode source of polarization-entangled photon pairs operated at room temperature.

In this article, we'll explain what JSON is, how it expresses different data types, and the ways you can produce and consume it in popular programming languages. We'll also cover some of ...

Here, we investigate photon pair generation through SFWM in subwavelength layers of amorphous silicon nitride (SiN) and study the effect of nitrogen content on the rate of pair emission.

JSON Formatter and JSON Validator help to auto format JSON and validate your JSON text. It also provides a tree view that helps to navigate your formatted JSON data.

JSON (JavaScript Object Notation) is a widely-used, lightweight data format for representing structured data. Used Extensively : Used in APIs, configuration files, and data exchange ...

JSON Editor Online is the original and most copied JSON Editor on the web. Use it to view, edit, format, repair, compare, query, transform, validate, and share your JSON data.

This review article delves into the techniques implemented for generating single and entangled photon pairs in atomic platforms, starting with a ...

Set up for conditional generation of single photons inside an optical resonator. The laser-cooled cesium atoms are illuminated by vertical pump beams, and emit photons into the resonator, that are detected ...

JSON, short for JavaScript Object Notation, is a lightweight computer data interchange format. JSON is a text-based, human-readable format for representing simple data structures and associative arrays ...

Here, we take the microcavity route to generating single photons from single quantum dots, employing a low-noise gated material.

Researchers propose a system of generating single photons at room temperature by selectively exciting an isolated Nd<sup>3+</sup> ion within an optical tapered fiber.

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Thus, Spontaneous Four-Wave Mixing is a powerful technique for generating entangled photons, with advantages in material versatility, on-chip integration via semiconductor fabrication ...

JSON or JavaScript Object Notation is a language-independent open data format that uses human-readable text to express data objects consisting of attribute-value pairs.

Their new method lets them generate single photons right inside an optical fiber, which tackles one of the field's toughest problems: getting photons into fibers efficiently and with hardly any ...

Our technique opens the way to realizing bright sources of polarized single photons connected to fiber networks using a simple composite technique. In addition, such photons should be ...

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