## APS PRL apssamp.tex minimal\*

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Your Name<sup>†</sup> City, Country(Dated: January 26, 2023) Abstract An article usually includes an abstract, a concise summary of the work covered at length in the main body of the article. Usage: Secondary publications and information retrieval purposes. Keywords: Keyword 1, Keyword 2, Keyword 3 **SECTION** This is a very short sentence.[1] 12 Subsection 13 This is a very short sentence. Paragraph This is a very short sentence. 15 Subsubsection16 Paragraph AAA 17 BBB18 CCC

Subsubsection

## 21 Paragraph AAA BBB CCC

## 22 MATHS

Below we have numbered single-line equations; this is the most common type of equation in *Physical Review*:

$$\mathbf{B} = 0 \tag{1}$$

$$\mathfrak{B} = 0 \tag{2}$$

$$\mathbb{B} = 0 \tag{3}$$

## Subsection 28

Multiline equations are obtained.

Enclosing display math within \begin{subequations} and \end{subequations} and \end{subequations} will produce a set of equations that are labeled with letters, as shown in Eqs. (4b) and (4a) below. You may include any number of single-line and multiline equations, although it is probably not a good idea to follow one display math directly after another.

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$$\mathcal{M} = ig_Z^2 (4E_1 E_2)^{1/2} (l_i^2)^{-1} (g_{\sigma_2}^e)^2 \chi_{-\sigma_2}(p_2)$$
$$\times [\epsilon_i]_{\sigma_1} \chi_{\sigma_1}(p_1). \tag{4a}$$

$$\left\{abc123456abcdef\alpha\beta\gamma\delta1234556\alpha\beta\frac{1\sum_{b}^{a}}{A^{2}}\right\},\tag{4b}$$

Giving a \label{#1} command directly after the \begin{subequations}, allows you to reference all the equations in the subequations environment. For example, the equations in the preceding subequations environment were Eqs. (4).

- Wide equations
- The equation:

$$\mathcal{R}^{(d)} = g_{\sigma_2}^e \left( \frac{\left[ \Gamma^Z(3,21) \right]_{\sigma_1}}{Q_{12}^2 - M_W^2} + \frac{\left[ \Gamma^Z(13,2) \right]_{\sigma_1}}{Q_{13}^2 - M_W^2} \right) + x_W Q_e \left( \frac{\left[ \Gamma^{\gamma}(3,21) \right]_{\sigma_1}}{Q_{12}^2 - M_W^2} + \frac{\left[ \Gamma^{\gamma}(13,2) \right]_{\sigma_1}}{Q_{13}^2 - M_W^2} \right). \tag{5}$$

- This is typed to show how the output appears in wide format.
- 46 Appendixes

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A little more on appendixes

$$E = mc^2. (6)$$

- \* General introduction
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- [1] A. Zeilinger, Experiment and the foundations of quantum physics, Reviews of Modern
  Physics 71, S288 (1999).