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Spectroscopy at e+e- machines in the JLab 22 era

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In the last 20 years, multiple exotic hadron candidates were discovered in experiments around the world. Electron-positron annihilation experiments have played a big role in those discoveries, starting from the initial discovery of the X(3872), and covering the charged bottom- and charmonium-like Zb and Zc states, and exotic vector meson candidates in both charmonium and bottomonium. Today, with BESIII and Belle II there are two running experiments in the charmonium and bottomonium regions, with a potential Super Tau-Charm Factory discussed as a successor experiment to BESIII. Here, I will review some recent results on XYZ-states from e+e- experiments, discuss the open issues that can be addressed with e+e- machines in the future, and why some of these open issues will benefit from an independent production process at JLab.

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