

91 GeV ee

 γ^*/Z (Hadronic)

$$(R_{K^-}^q - R_{K^+}^q) / (R_{K^-}^q + R_{K^+}^q)$$

SLD

(SLD_2004_S5693039)

Ratio to SLD

mcplots.cern.ch [arXiv:1306.3436]

10³

10²

10

1

10⁻¹

2

1

0.5

0

0.2

0.4

0.6

0.8

2

1

0.5

The figure displays two panels related to the ratio of the hadronic cross-section difference to the sum, $(R_{K^-}^q - R_{K^+}^q) / (R_{K^-}^q + R_{K^+}^q)$, as a function of the hadronic cross-section ratio, γ^*/Z .

The top panel shows the ratio on a logarithmic scale (y-axis, ranging from 10^{-1} to 10^3) versus γ^*/Z (x-axis, ranging from 0 to 1.0). The data points are labeled "SLD" and show a general increasing trend. A theoretical prediction is shown as a solid black line.

The bottom panel shows the "Ratio to SLD" (y-axis, ranging from 0.5 to 2.0) versus γ^*/Z (x-axis, ranging from 0 to 1.0). The data points are shown as yellow bars, and the theoretical prediction is shown as green bars. A horizontal line at 1.0 indicates the ratio to SLD.