

$\Delta\alpha_{\text{had}}^{(5)}$

M_Z

Γ_Z

σ_{had}^0

R_l^0

$A_{\text{fb}}^{0,l}$

$A_l(P_\tau)$

R_b^0

R_c^0

$A_{\text{fb}}^{0,b}$

$A_{\text{fb}}^{0,c}$

A_b

A_c

$A_l(\text{SLD})$

$\sin^2\theta_{\text{eff}}^{\text{lept}}(Q_{\text{fb}})$

m_W^*

Γ_W^*

M_t

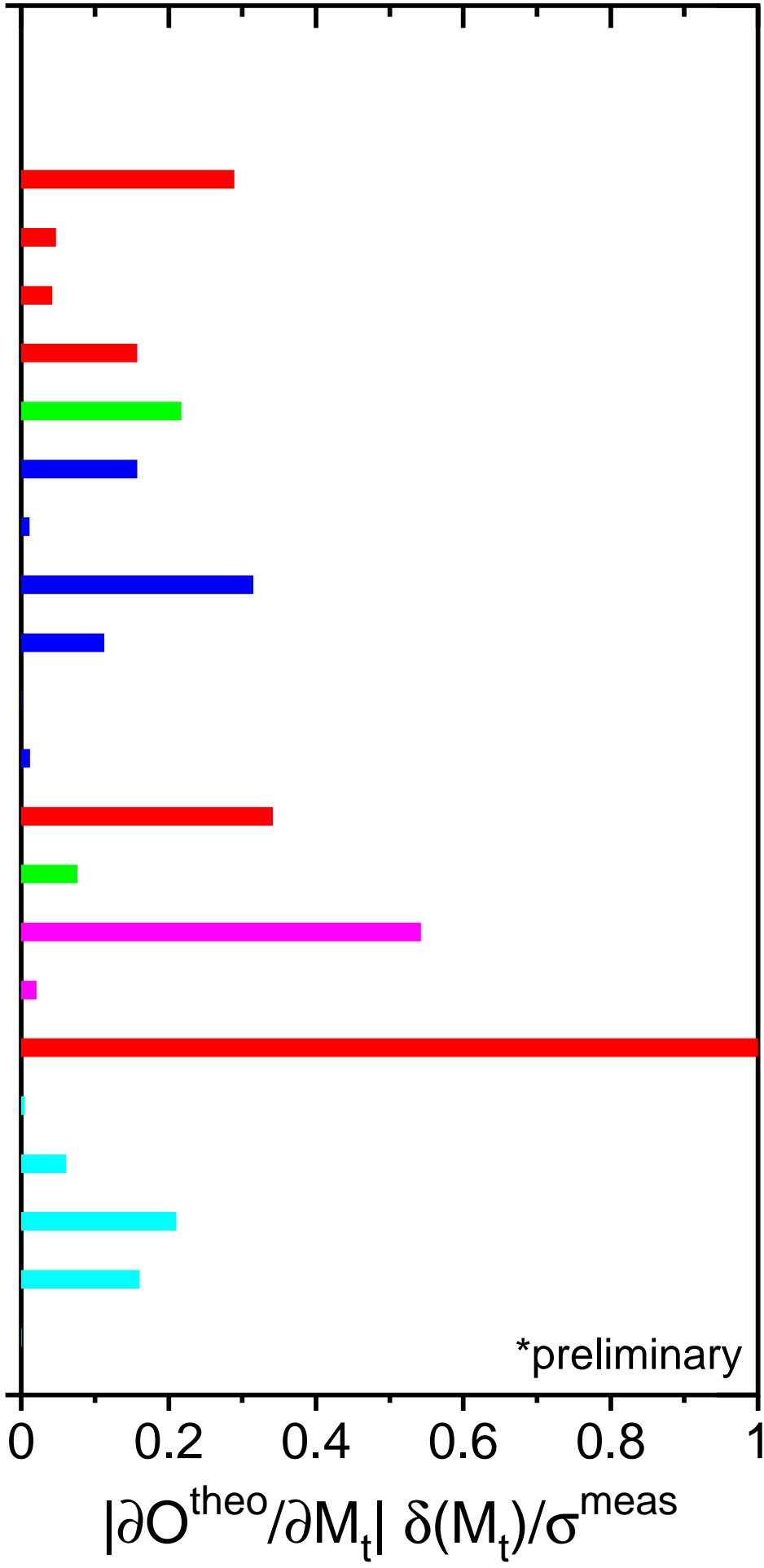
$Q_W(\text{Cs})$

$\sin^2\theta_{\overline{\text{MS}}}(e^-e^-)$

$\sin^2\theta_W(\nu N)$

$g_L^2(\nu N)$

$g_R^2(\nu N)$



*preliminary

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