The CMS Preliminary analysis shows the 95% CL observed limit on $\sigma_{\text{obs}}/\sigma_{\text{theo}}$ against the mass $m_\chi$ of the Dirac fermion $\chi$ for an axial-vector mediator. The observed limit is shown as a red line, with theory uncertainty and expected limits also indicated.

Given $g_\chi = 1, g_q = 0.25$, the plot highlights the expected and observed limits for the mass range of interest. The figure suggests that the observed limits are close to the expected limits, indicating a strong consistency with theoretical predictions.