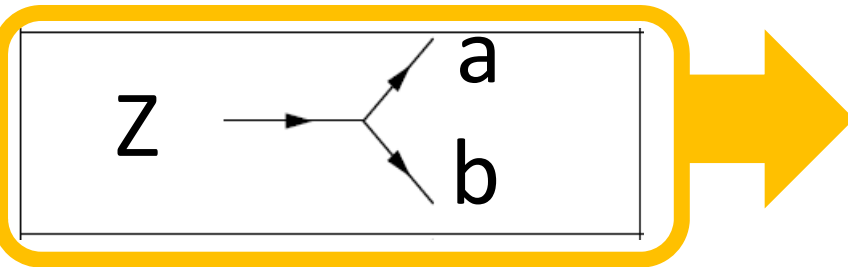
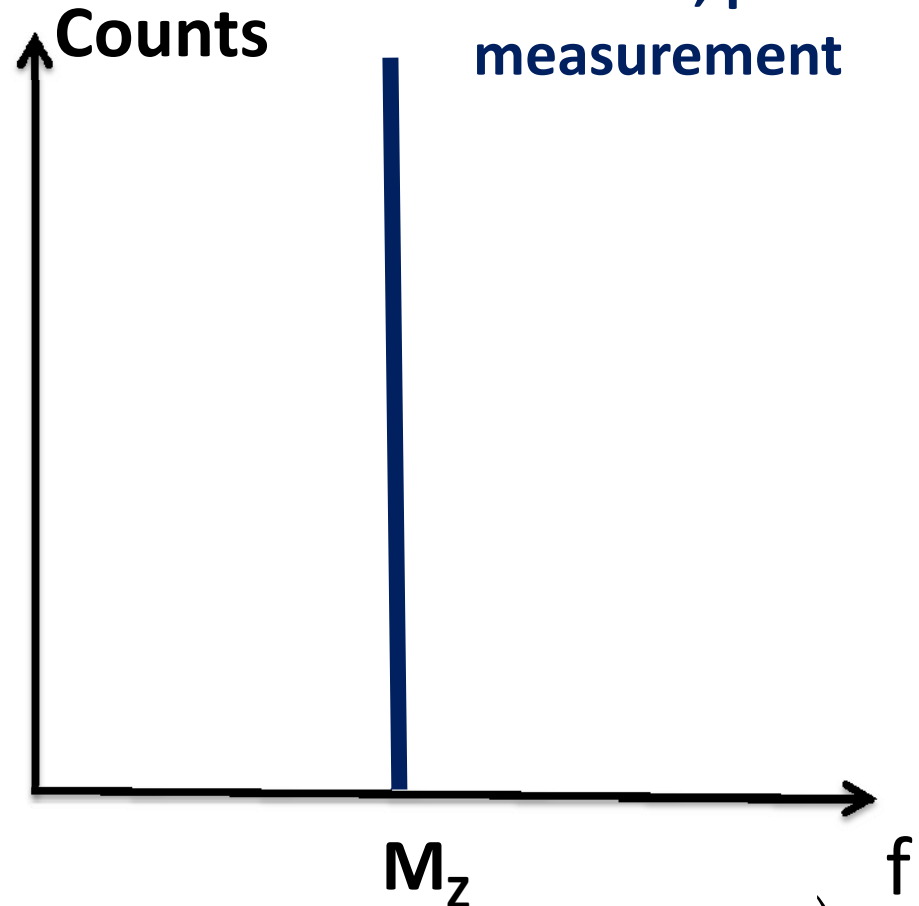


All **visible**

$$Z^0 \rightarrow e^+ e^-$$



On-shell, perfect
measurement



$$f^2 = Z^\mu Z_\mu = (a+b)^\mu (a+b)_\mu$$

$$M^2 = \left(\sqrt{m_a^2 + a_x^2 + a_y^2 + a_z^2} + \sqrt{m_b^2 + b_x^2 + b_y^2 + b_z^2} \right)^2 - (a_x + b_x)^2 - (a_y + b_y)^2 - (a_z + b_z)^2$$