In[240]:= **Mcχ // MatrixForm**

Out[240]//MatrixForm=

$$\begin{pmatrix} M2 & g2\,v2 & 0 & 0 & 0 \\ g2\,v1 & \kappa 0\,\sigma S & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & v1\,Y\tau \end{pmatrix}$$

In[241]:= **Mnχ // MatrixForm**

Out[241]//MatrixForm=

$$\begin{pmatrix} M1 & 0 & -\frac{g1\,v1}{\sqrt{2}} & \frac{g1\,v2}{\sqrt{2}} & 0 & 0 & 0 & 0 & 0 \\ 0 & M2 & \frac{g2\,v1}{\sqrt{2}} & -\frac{g2\,v2}{\sqrt{2}} & 0 & 0 & 0 & 0 & 0 \\ -\frac{g1\,v1}{\sqrt{2}} & \frac{g2\,v1}{\sqrt{2}} & 0 & -\kappa 0\,\sigma S & -v2\,\kappa 0 & 0 & 0 & 0 & 0 \\ \frac{g1\,v2}{\sqrt{2}} & -\frac{g2\,v2}{\sqrt{2}} & -\kappa 0\,\sigma S & 0 & -v1\,\kappa 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -v2\,\kappa 0 & -v1\,\kappa 0 & \kappa 3\,\sigma S & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & v2\,\kappa 1[1] \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & v2\,\kappa 1[2] \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & v2\,\kappa 1[3] \\ 0 & 0 & 0 & 0 & 0 & v2\,\kappa 1[1] & v2\,\kappa 1[2] & v2\,\kappa 1[3] & \kappa 2\,\sigma S \end{pmatrix}$$