

$$\gamma_{q\nu}^{\pm 25} - \gamma_{q\nu}^0 \text{ (meV)}$$

-0.004

-0.002

0.000

0.002

0.004

(a)

$\omega$  (meV)

30

20

10

0

$\Gamma$

$\Sigma$

N

$\Sigma_1$

Z

X

$$\gamma_{q\nu}^{-25} - \gamma_{q\nu}^0$$

(b)

$$\gamma_{q\nu}^{+25} - \gamma_{q\nu}^0$$

$\Gamma$

$\Sigma$

N

$\Sigma_1$

Z

$\Gamma$

X