The images depict plots of data for the $^{23}\text{Na}^{39}\text{K}$ system, showing the relationship between $T - 100000 - 0.0625(J(J+1))$ and $J(J+1)$ for different values of $v(A)$ and $v(b)$. The plots illustrate the dispersion of data points for various quantum numbers, indicating the vibrational and rotational energy levels of the system.
$^23\text{Na}^{39}\text{K}$ Data

$v(A) = 9$

$v(b) = 10$

$v(b) = 11$

$v(A) = 8$

$v(b) = 9$

$v(b) = 8$