

$$|U|_{3\sigma}^{\text{w/o SK-atm}} = \begin{pmatrix} 0.801 \rightarrow 0.842 & 0.518 \rightarrow 0.580 & 0.142 \rightarrow 0.155 \\ 0.236 \rightarrow 0.507 & 0.458 \rightarrow 0.691 & 0.630 \rightarrow 0.779 \\ 0.264 \rightarrow 0.527 & 0.471 \rightarrow 0.700 & 0.610 \rightarrow 0.762 \end{pmatrix}$$

$$|U|_{3\sigma}^{\text{with SK-atm}} = \begin{pmatrix} 0.801 \rightarrow 0.842 & 0.518 \rightarrow 0.580 & 0.143 \rightarrow 0.155 \\ 0.244 \rightarrow 0.500 & 0.498 \rightarrow 0.690 & 0.634 \rightarrow 0.770 \\ 0.276 \rightarrow 0.521 & 0.473 \rightarrow 0.672 & 0.621 \rightarrow 0.759 \end{pmatrix}$$