

$$|U|_{3\sigma}^{\text{w/o SK-atm}} = \begin{pmatrix} 0.803 \rightarrow 0.845 & 0.514 \rightarrow 0.578 & 0.142 \rightarrow 0.155 \\ 0.233 \rightarrow 0.505 & 0.460 \rightarrow 0.693 & 0.630 \rightarrow 0.779 \\ 0.262 \rightarrow 0.525 & 0.473 \rightarrow 0.702 & 0.610 \rightarrow 0.762 \end{pmatrix}$$

$$|U|_{3\sigma}^{\text{with SK-atm}} = \begin{pmatrix} 0.803 \rightarrow 0.845 & 0.514 \rightarrow 0.578 & 0.143 \rightarrow 0.155 \\ 0.244 \rightarrow 0.498 & 0.502 \rightarrow 0.693 & 0.632 \rightarrow 0.768 \\ 0.272 \rightarrow 0.517 & 0.473 \rightarrow 0.672 & 0.623 \rightarrow 0.761 \end{pmatrix}$$