List of Publications

I. List of Publications in International Journals

1. Energy of the ground and $2^+$ excited states of $^{10}_{\Lambda\Lambda}Be$: A partial ten-body model
   Mohammad Shoeb and Sonika

2. Energy spectra of $^{10}_{\Lambda\Lambda}Be$
   Mohammad Shoeb and Sonika

3. The degenerate spin-flip doublet ($3^+/2$, $5^+/2$) of $^9_{\Lambda}Be$
   Mohammad Shoeb and Sonika

4. Stability of the $s$ and $p$-shell $\alpha$ cluster hypernuclei with strangeness $S = -2$ to $-4$
   Mohammad Shoeb and Sonika

II. List of Papers in Conferences/Symposiums

1. The excited $2^+$ state of $^{12}_{\Lambda}C$ in $\alpha$ cluster model
   Mohammad Shoeb and Sonika
   Int. Symposium on Nuclear Physics, BARC, Mumbai.
   Dec. 8-12, 2009 (accepted for presentation).

2. Prediction for the ground state energy of $^{14}_{\Lambda\Lambda}C$ in the cluster model
   Sonika and Mohammad Shoeb
   Int. Symposium on Nuclear Physics, BARC, Mumbai.
   Dec. 8-12, 2009 (accepted for presentation).

3. Sensitivity of energy of $^7_{\Lambda\Xi}He$ hypernucleus on the shapes of $\Xi^0\alpha$ potential
   Mohammad Shoeb and Sonika

4. Variational Monte Carlo calculation of the energy of $^{12}_{\Lambda}C$ and $^{13}_{\Lambda}C$ in $\alpha$ cluster model
Mohammad Shoeb and Sonika

5. The \( \Lambda \Lambda \)-binding energy of \( ^{10}_{\Lambda \Lambda} \text{Be} \): A partially ten-body problem in \( \Lambda \Lambda + \alpha \alpha \) model
Mohammad Shoeb and Sonika

6. Excited \( 4^+ \) state of \( ^{10}_{\Lambda \Lambda} \text{Be} \) in a cluster model
Mohammad Shoeb and Sonika

7. Energy of degenerate spin flip doublet of \( ^{9}_{\Lambda} \text{Be} \) using Variational Monte Carlo
Mohammad Shoeb and Sonika