

Mystery of ${}^9\text{He}$ and very exotic neutron rich light nuclei.

Dr. V.Z. Goldberg
Cyclotron Institute, Texas A&M University, College Station, TX

ABSTRACT

I'll introduce problems which related with studies of the very neutron rich nuclei, ${}^7\text{H}$, ${}^9\text{He}$, ${}^{10}\text{He}$.
I'll show how direct contradictions between the theoretical expectations and the experimental results makes the case of ${}^9\text{He}$ as a very special one for the understanding of the exotic species, and I'll tell about the results of a new and rather unusual experiment made at TRIUMF to solve the ${}^9\text{He}$ mystery.