

Status Report of Jilin University for the Nuclear Structure and Decay Data Evaluation

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1. Members

At present, members of Jilin university (JLU) group include: Huo Junde, Yang Dong, and a few graduate students. Huo Junde is in charge of the group. He will continue the evaluation work if his health condition permits.

2. Mass Chain Evaluation

Jilin university group is responsible for the mass chains: A=52, 53, 54, 55, 56, 63, and 67. In recent two years, the 52 mass chain was published in 2015. The 67 mass chain is being evaluated. The status is as below:

Mass	Last publication	Status
52	Yang Dong, Huo Junde, NDS, 128, 185-314 (2015)	Published in 2015
53	Huo Junde, NDS, 110, 2689-2814 (2009)	
54	Yang Dong, Huo Junde, NDS, 121, 1-142 (2014)	
55	Huo Junde, NDS, 109, 787-942 (2008)	
56	Huo Junde, Huo Su, Yang Dong, NDS, 112, 1513-1645 (2011)	
63	Bai Erjun, Huo Junde, NDS, 92, 147-252 (2001)	(ENSDF revised in 2009, plan to revise in the next two year)
67	Huo Junde, Huang Xiaolong, J.K. Tuli, NDS, 106, 159-250 (2005)	(being evaluated and will be submitted for review soon)

3. Other research/activities of the group

Two experiments about the nuclear structure have been performed on the tandem accelerator at China Institute of Atomic Energy (CIAE), using the heavy ion fusion-evaporation reaction of ${}^7\text{Li}+{}^{110}\text{Pb}$ and ${}^{32}\text{S}+{}^{106}\text{Cd}$ and $\gamma\gamma$ coincidence measurement. The data is being off-line analyzed.

An optional course to introduce the nuclear structure and decay data evaluation has been open for the graduate student with major of nuclear physics in Jilin University.