Some Thoughts and Comments About the CIELO Project

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- **Where is the difference come from?**
- **How to get CIELO?**
- **What is the next of CIELO?**
- **What can we do for CIELO?**

1. Where is the difference between the evaluations/libraries come from ?

- Difference come from experimental data
- From model calculations
- .....

2. What is the way for CILEO?

- **Establish an unify (or standard) evaluation way?**
  - Recommend/measure an experimental data?
  - Using a same model code to perform calculation?
  - ....
- **Continue the existing evaluation way?**
  - Provide the uncertainty/covariances?
  - Recommend an evaluation by comparison and analyses?
  - ....

3. What is the next of CIELO?

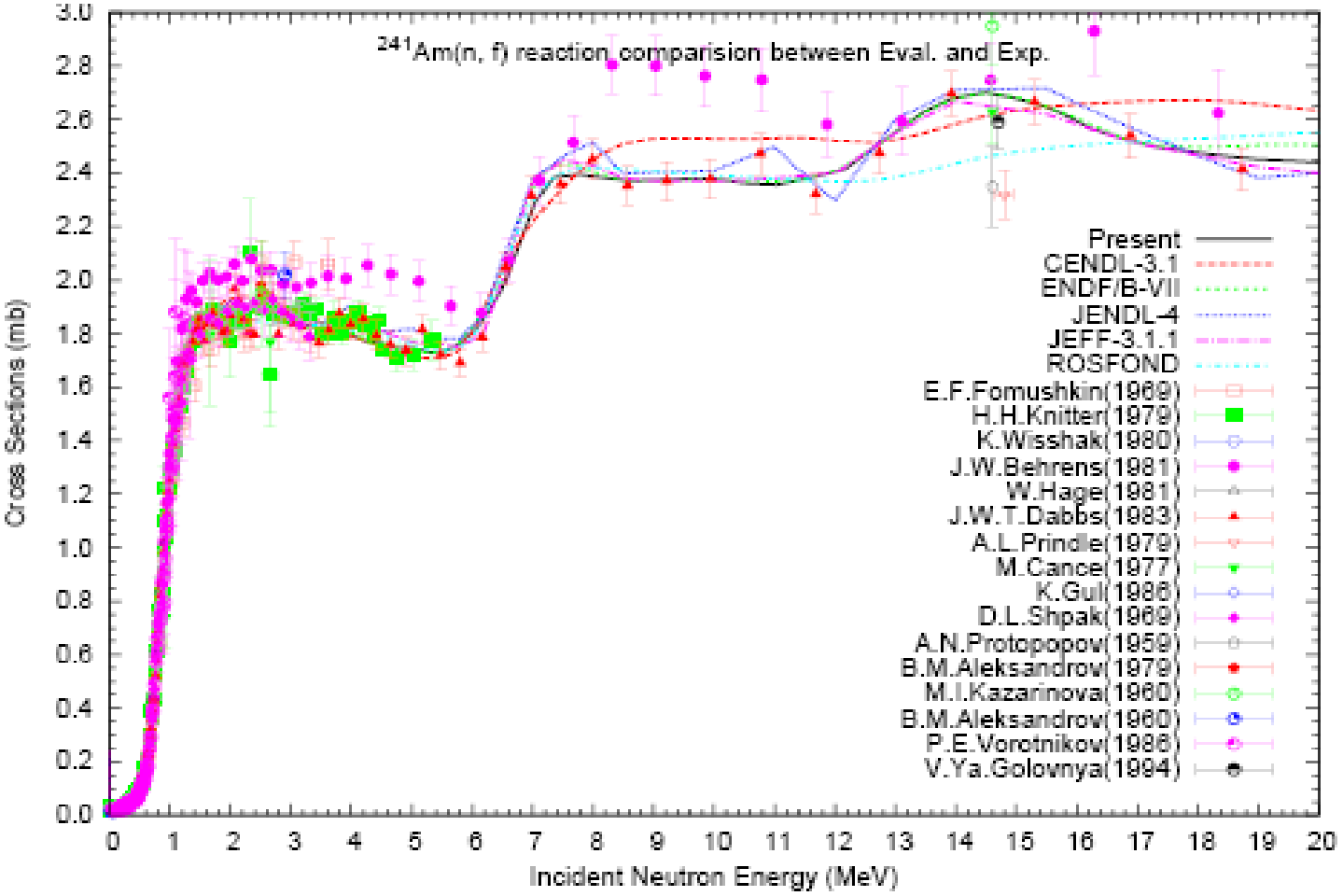
- Extend the CIELO way to all material(charged particle , high energy…)?
- Sample for future nuclear data evaluation?
- Create an international/standard evaluation library?

4.What can we do for CIELO?

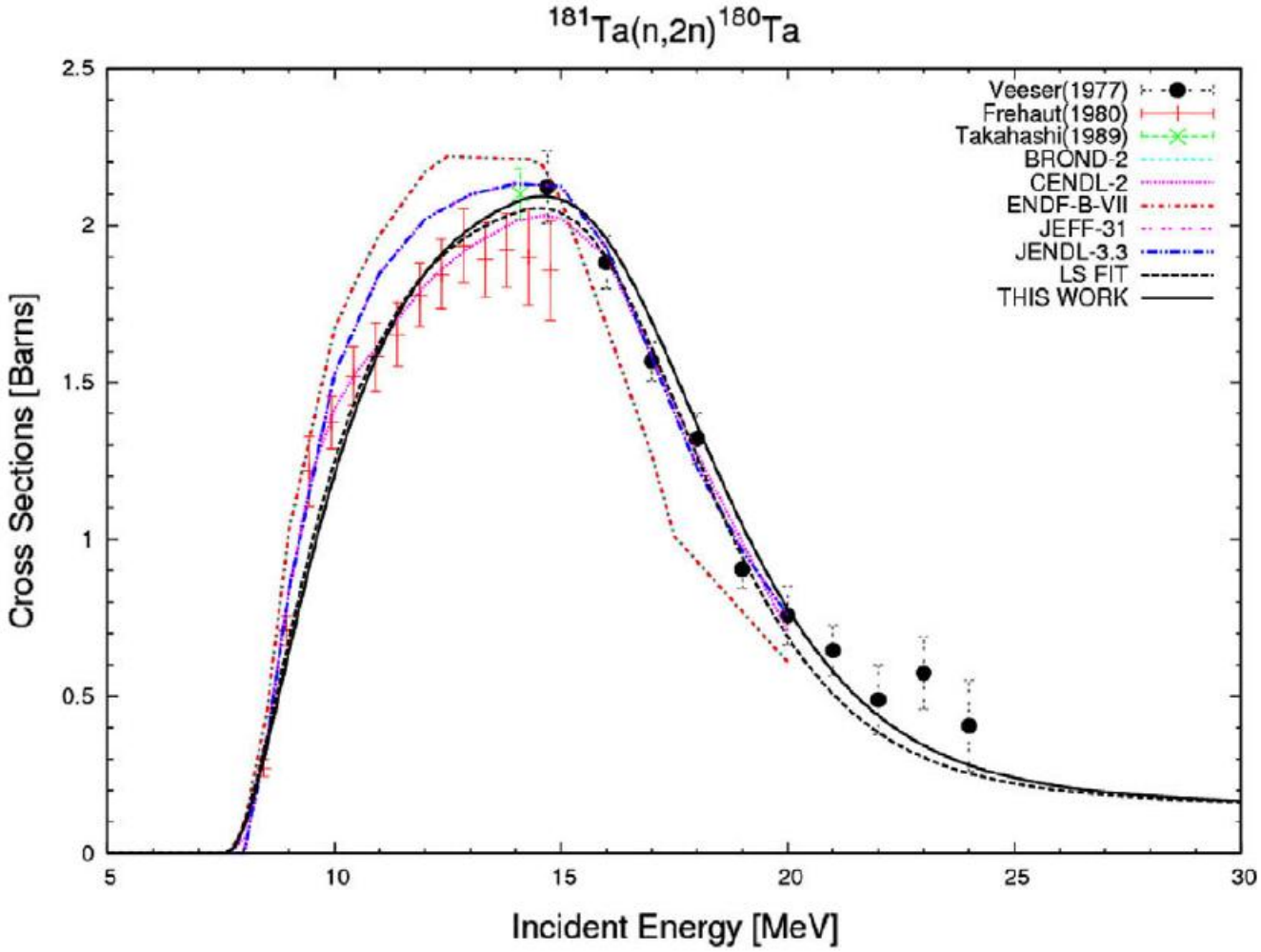
- Experimental data evaluations/analysis.
- Model calculations/studies and comparison.
- Covariances/uncertainty studies.
- Measurement?

BIG-3, TOP-10,…..

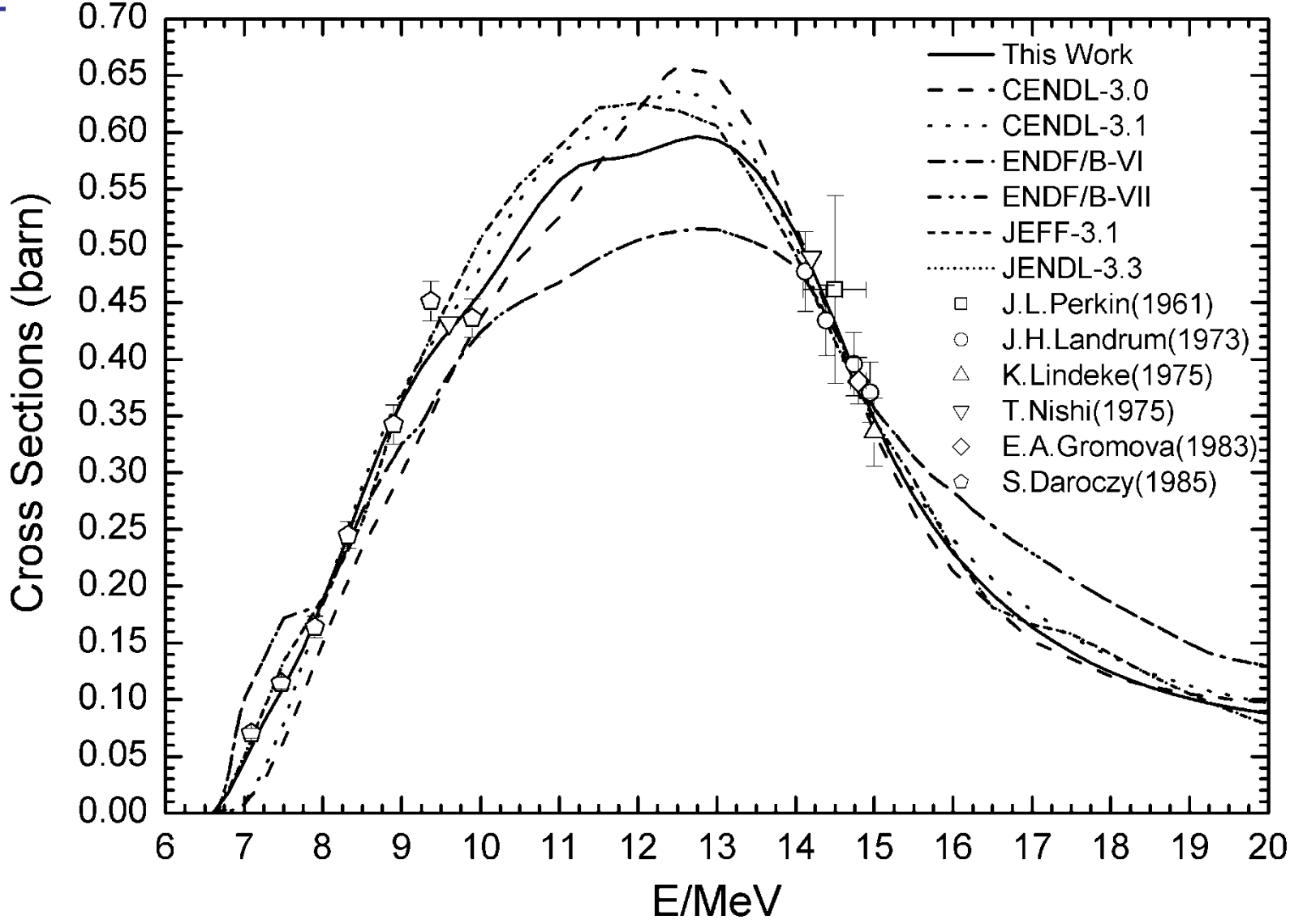
Discrepancy caused by using the difference experimental data base



Discrepancy caused by using the difference model calculation.



Excitation function of the (n,2n) reaction for ^{181}Ta



(b) Comparison with corrected measurements

Fig.1 Comparison of evaluated data with measured data for ^{237}Np(n, 2n) reaction