

# Nuclear Structure and Decay Data evaluation at **Atomki** **Debrecen, Hungary**

Progress Report  
for the October 2022 – April 2024 period

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## Ongoing evaluations

- The evaluation of the  $A=101$  mass chain has been completed and submitted to NDS. (Specific problems reported back, so we need to revise)
- The evaluation of the  $A=103$  mass chain has been completed and submitted to NDS. (Specific problems reported back, so we need to revise)

## Completed reviews

We have performed a review for a mass-chain evaluation

## Status of our permanent responsibilities

<u>Mass</u>	<u>Last NDS</u>
<b>101</b>	<b>2006</b>
<b>102</b>	<b>2008</b>
<b>103</b>	<b>2009</b>
<b>104</b>	<b>2007</b>
<b>105</b>	<b>2019</b>

## Plans for the next period

- Revise the  $A=101$  according to the review requests from our side
- Discuss the problems with the submitted  $A=103$  mass chain, and perform the necessary revisions
- Start to evaluate the  $A=104$  mass chain

## Support

- Evaluations of the  $A=101$  and  $A=103$  mass chains were supported partly by the SANDA Horizon 2020 - Research and Innovation Framework Programme of the EUROPEAN COMMISSION
- European project APRENDE was approved recently
- Mass-chain evaluation activity is part of ATOMKI's next five-year plan.