

# Total Absorption Spectroscopy: present and near future



**Monday 16 December 2019 - Thursday 19 December 2019**

**Universe**

## **Programme**

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**\*\*Monday Dec-16th\*\***

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15:00 Welcome \*(Local Organising Committee)\*

15:30 Review of our available TAS setups \*(J.L. Taín)\*

16:00 The MTAS detector \*(M. Stepaniuk)\*

16:30 Status of the tape station for Lucrecia \*(J. Agramunt)\*

17:00 New Ideas for the Lucrecia tape station \*(M. Karny)\*

! [COFFEE BREAK][1]

18:00 Beta decay around the doubly-magic nucleus  $^{132}\text{Sn}$  \*(B. Rubio)\*

18:30 Total absorption spectroscopy of neutron rich nuclei for the understanding of proton rich mirror nuclei \*(A. Fijalkowska)\*

19:00 The rp-process along the N=Z line \*(E. Nácher)\*

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**\*\*Tuesday Dec-17th\*\***

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9:30 Neutron deficient Hg, present and future \*(A. Algora)\*

10:00 Ideas for ISOLDE and JYFL \*(M. Fallot)\*

10:30 Beta decay of neutron deficient Cs and Tm isotopes \*(M. Karny)\*

11:00 DTAS at FAIR \*(J.L. Taín)\*

! [COFFEE BREAK][2]

12:00 DTAS at RIKEN: the  $^{100}\text{Sn}$  experience \*(A. Algora)\*

12:30 Ideas for RIKEN \*(M. Fallot)\*

! [LUNCH BREAK][3]

15:00 DTAS at RIKEN: the TATAKI-Pro project. (A. Morales)

15:30 Round table

- New Proposals for ISOLDE

- New Proposals for RIKEN

! [COFFEE BREAK][2]

- DTAS at FAIR (availability, plans...)

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**\*\*Wednesday Dec-18th\*\***

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9:30 Collectivity, shell effects and astrophysics through nuclear polarizability measurements with TAS \*(N. Orce)\*

10:00 Electron-Capture in the neutron-rich side and its relevance in supernovae (M. Fallot)

10:30 TAS analysis methods \*(J.L. Taín)\*

11:00 Open discussion on analysis and simulations

![[COFFEE BREAK]][2]

12:00 Open discussion on analysis and simulations (cont.)

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[1]: [https://indico.ific.uv.es/event/3832/images/226-coffeeBreak\\_sm.png](https://indico.ific.uv.es/event/3832/images/226-coffeeBreak_sm.png)

[2]: [https://indico.ific.uv.es/event/3832/images/226-coffeeBreak\\_sm.png](https://indico.ific.uv.es/event/3832/images/226-coffeeBreak_sm.png)

[3]: [https://indico.ific.uv.es/event/3832/images/227-lunchBreak\\_sm.jpeg](https://indico.ific.uv.es/event/3832/images/227-lunchBreak_sm.jpeg)