

HISPEC/DESPEC Collaboration Meeting



Montag, 13. November 2023 - Dienstag, 14. November 2023

GSI

Wissenschaftliches Programm

HISPEC/DESPEC Collaboration Meeting

GSI, 13.-14. November 2023; Room: SB3 3.170a Theory Seminar Room

Session I

Monday, 13.11.2023 14:00 - 16:00 **Collaboration business**

14:00 - 14:10 P. Reiter: *News from the collaboration*

14:10 - 14:40 G. Benzoni: *HISPEC/DESPEC perspectives towards FAIR*

14:40 - 14:55 A. Herlert: *Update on the MoU and component admin*

14:55 - 15:05 J. Gerl: *HISPEC/DESPEC collaboration agreement, specific items*

15:05 - 15:30 W. Korten: *Recent news from the NUSTAR collaboration*

15:30 - 16:00 Discussion: *Collaboration agreement, open science policy...*

16:00 - 16:30 *coffee break*

Session II

Monday, 13.11. 16:30 - 18:10 **Reports from experiments I**

16:30 - 16:55 A. Morales-Lopez: *S181 Extending the quest towards the $N=126$ r-process waiting point*

16:55 - 17:20 M. Mikolajczuk: *S480 Structure of the heaviest $N=Z$ nuclei: Seniority Transitions and EM Transition Rates in ^{94}Pd*

17:20 - 17:45 M. Polettini: *S496 Core-breaking in the most neutron-deficient tin isotopes*

17:45 - 18:10 S. Alhhomaidhi: *S452 Shape Evolution at $A\sim 190$*

Session III

Tuesday, 14.11. 09:00 - 11:30 **Reports from experiments II**

9:00 - 9:25 M. Polettini: *S460 Investigation the south-east frontier of the $A\sim 225$ island of octupole deformation*

9:25 - 9:50 Zs. Podolyak: *S450 Study of $N=126$ nuclei: Isomeric and beta decays in ^{202}Os and ^{203}Ir*

9:50 - 10:15 D. Rodriguez: *S505 Investigation of the beta-strength crossing $N=126$ and the formation of the 3rd r-process abundance peak*

10:15 - 10:40 H. Albers: *S100 Structure of neutron-rich, rare-earth nuclei far from stability*

10:40 - 11:00 coffee break

Session IV

Tuesday, 14.11. 11:00 - 13:00 **Reports from experiments III, discussion**

11:00 - 11:25 E. Lovsin: *Preparation for the FIMP prototype test*

11:25 - 11:45 A. Sharma: *Planar HPGe detectors and future test run*

11:45 - 12:05 M. Armstrong: *Simulations for HISPEC slowed down beam experiments*

12:05 - 12:25 K. Wimmer: *Status of LISA and future test runs*

12:25 - 13:00 Discussion: *Early Science & First Science experiments, introduction H. Albers*