



News from the ISOLDE group

Gerda Neyens

July 1, 2019



content

- Associates and staff
- Fellows
- Doctoral students
- Outreach activities 2019
- Meetings

Associates & Corresponding Associates & staff

● Associates

- Deyan Yordanov, February – July 2019 - [extension December 2019](#)

● Staff members:

- Stephan Malbrunot-Ettenauer (Feb 2017-Jan 2021) **ERC MIRACLS**
- Karl Johnston, physics coordinator ([extended Sept. 2022](#))
- G.N, Isolde group leader, collaboration spokesperson ([extended June 2021](#))

● ISOLDE User Support:

- Jennifer Weterings (2002 -) via the ISOLDE Collaboration

CERN Fellows

Research Fellows:

- ✓ Hanne Heylen (Oct 2017 – sept 2020 – COFUND) 30% COLLAPS- 70% MIRACLS
- ✓ Ronald Garcia Ruiz (Jan 2018 – Dec 2019) CRIS
Starts as Tenure track prof at MIT Jan. 2020, continues collaboration with ISOLDE
- ✓ New: Maxime Mougeot (Sept 2019 – August 2021)

Applied Fellows:

- ✓ Joonas Konki (March 2018 – Feb 2020, ENSAR2) HIE-ISOLDE experiments
- ✓ Simon Sels (April 2018 – March 2020, ERC Stephan) MIRACLS
- ✓ Dinko Atanasov (April 2019 – March 2021, EP-SME) WISArD + low energy exp.
- ✓ New: Markus Vilen (Oct 2019 – Sept 2021, ENSAR2+ ERC MIRACLS)
30 keV MR-TOF for ISOLDE and MIRACLS

And many others paid by their home institution.

Next application deadline: September 2, 2019

CERN Doctoral Students

- **Varvara Lagiki** (Sept 2017 – August 2020) MIRACLS ERC (Univ. ...)
- **Simon Lechner** (Sept 2017 – August 2020) MIRACLS
Austrian Doctoral Program (Univ. ...)
- **Jonas Karthein** (November 2017 – October 2020) ISOLTRAP
Gentner Doctoral Program (MPI-K Heidelberg)
- **Jared Croese** (Feb 2018 – Jan 2021) betaDROPNMR CERN EP-SME (Univ. Geneva)
- **Peter Plattner** (August 2018 – July 2021) MIRACLS
Austrian Doctoral Program (Univ. ...)
- **Katarzyna Maria Dziubinska-Kuhn** (Sept 2018 – August 2021) betaDROPNMR
SWISS Fund and KT-Med (Univ. Geneva)
- **Karolina Kulesz** (Oct 2018 – Sept 2021) betaDROPNMR ERC (Univ. Geneva)
- **New: Lukas Nies** (Nov 2019 – Oct 2022) ISOLTRAP Genter (Univ. Greiswald)

And many others paid by their home institution
(+ eventual subsistence from the collaboration).

Outreach 2019

- CERN Accelerating News 28, March-April 2019,
ISOLDE's new solenoid spectrometer
by Panos Charitos (CERN)



- EP Newsletter, March 2019
Understanding shape staggering in Hg nuclei: resolving a long-standing question at ISOLDE
by Karl Johnston (CERN) - based on Nature Physics 14, 1163 (2018).

- EP Newsletter, June 2019
HIE-ISOLDE: a unique window into the nucleus
by Karl Johnston (CERN)
 - based on Nature Communications **10**, Article number: 2473 (2019) 224,226Rn Coulex
 - based on Phys. Rev. Lett. **121**, 252501 (2019) 132Sn Coulex



EP Newsletter of the EP department

- CERN Courier, July 2019 – in preparation
Vibrating pear shapes (P. Butler et al.) – by Matthew Chalmers
- based on Nature Communications, Rn Coulex



- **CERN Open Days – September 14-25, 2019**
 - More than 80.000 visitors expected
 - ISOLDE participates
- Do you want to contribute to ISOLDE outreach ?
 - Contact me or Karl
 - CERN Courier: Matthew Chalmers
 - Accelerating News: Ana Lopez, Panos Charitos

Meetings

- INTC meetings to revise accepted proposals
 - July 2-3
 - Nov. 6-7
 - Feb. 4-5, 2020 ?

- ISOLDE Workshop 2019
 - 5-6 December 2019 (Wed.-Fri.)

- 1st ISOLDE-EPIC Workshop
 - 3-4 December 2019