

List of publications

Bretislav Friedrich

April 21, 2024

232. B. Friedrich:

Walther Gerlach's Rise to Olympus (1914-1929): From Service in World War One to a Professorship at Munich, in A. Schirrmacher and D. Hoffmann (eds.), *Walther Gerlach*. Submitted (2024).

231. Elaine Bearer, Gerard Meijer, and B. Friedrich:

Natural Sciences is Three Years Young

Natural Sciences **4**, e20240004 (2024).

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230. M. McEachern and B. Friedrich:

The Spectrum of He⁺ as a Proving Ground for Bohr's Model of the Atom:

A Legacy of Williamina Fleming's Astrophysical Discovery, in D. Monaldi, M. Frank, P. Charbonneau (eds.), *Hidden Variables: Women in the History of Quantum Physics*. Submitted (2023). arXiv:2402.14734v1 [physics.atom-ph] 22 Feb 2024

229. B. Friedrich:

A century ago the Stern-Gerlach experiment ruled unequivocally in favor of Quantum Mechanics

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<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ijch.202300047>

228. B. Friedrich, A. Jaffe, D. Kleppner, M. Lukin, and J. Doyle:

Memorial Minute. Roy Glauber, 93. Faculty of Arts and Sciences, Harvard University
The Harvard Gazette, May 4 (2023).

<https://news.harvard.edu/gazette/story/2023/05/roy-jay-glauber-93/>

227. B. Friedrich, D. Kleppner, and D. Herschbach:

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226. M. Mirahmadi, B. Friedrich, B. Schmidt, and J. Perez-Rios:

Mapping atomic trapping in an optical superlattice onto the libration of a planar rotor in electric fields

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225. W. Yue, Qi Wei, S. Kais, B. Friedrich, and D. Herschbach:

Realization of Heisenberg models of spin systems with polar molecules in pendular states

- Physical Chemistry Chemical Physics **24**, 25270-25278 (2022).
<https://pubs.rsc.org/en/content/articlelanding/2022/CP/D2CP00380E>
224. B. Friedrich:
An electro-optical trap for molecules
Physical Review A **105**, 053126 (2022).
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223. H. Schmidt-Böcking and B. Friedrich:
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<https://iopscience.iop.org/article/10.1088/1402-4896/ac9c9b/pdf>
222. M. Bronner, V. Yam, G. Meijer, and B. Friedrich:
Editorial: UNESCO issues a strong endorsement of Open Science
Natural Sciences **2**, e10037 (2022).
<https://doi.org/10.1002/ntls.10037>
221. M. Karra, M. T. Cretu, B. Friedrich, S. Truppe, G. Meijer, and J. Pérez-Ríos:
Dynamics of translational and rotational thermalization of AlF molecules via collisions with cryogenic helium
Physical Review A **105**, 022808 (2022).
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220. B. Friedrich, G. Meijer, H. Schmidt-Böcking, and G. Gruber:
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219. B. Friedrich:
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in Jiří Padevět (ed.): *Za Rudolfem a Milenou Zahradníkovými*
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217. D. Herschbach, J.P. Toennies, and B. Friedrich:
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216. B. Friedrich:
Obituary for Rudolf Zahradník
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215. M. Mirahmadi, B. Schmidt, and B. Friedrich:
Planar rotor dynamics driven by suddenly switched combined aligning and orienting interactions
New Journal of Physics **23**, 063040 (2021).
214. H.G. Huber, H. Schmidt-Böcking, and B. Friedrich:
Walther Gerlach (1889-1979): Precision Physicist, Educator and Research Organizer, Historian of Science pp. 119-161, in Bretislav Friedrich and Horst Schmidt-Böcking (eds.):
Molecular Beams in Physics and Chemistry: From Otto Stern's Pioneering Exploits to Present-day Feats
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Otto Stern's Molecular Beam Method and its Impact on Quantum Physics pp. 37-88, in
Bretislav Friedrich and Horst Schmidt-Böcking (eds.): *Molecular Beams in Physics and Chemistry: From Otto Stern's Pioneering Exploits to Present-day Feats*
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210. H. Schwarz and B. Friedrich:
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208. H. Schwarz and B. Friedrich:
Rudolf Zahradnik (1928-2020)
Chemistry World, 4 February 2021.
207. B. Friedrich:
A Paramount Problem Solved at Last: Paramagnetic Catalysis of Ortho-Para Hydrogen Conversion
Natural Sciences (2021) Nat. Sci. 2021:e10004 <https://doi.org/10.1002/ntls.10004>
206. T. Bielik and B. Friedrich:
Much out of Nothing: The Relationship between Fritz Haber and Chaim Weizmann

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205. H. Schwarz und B. Friedrich:

Rudolf Zahradnik (1928-2020): "Tue, was richtig ist!"

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204. B. Friedrich and D. Herschbach:

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201. T. Bielik and B. Friedrich:

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200. B. Friedrich:

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198. J. Fischer, F. Schlaghauser, E.-M. Lottner, A. Slenczka, L. Christiansen, H. Stapelfeldt, M. Karra, B. Friedrich, Th. Mullan, M. Schütz, and D. Usvyat:

Heterogeneous clusters of phthalocyanine and water prepared and probed in superfluid helium nanodroplets

J. Phys. Chem. A (Javier Aoiz Festschrift) **123**, 1057-1064 (2019).

197. B. Friedrich:

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194. B. Friedrich, M. Popplow, and A.S. Travis:
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