

PHYSICS– USPEKHI

Volume 67
Number 3
2024
Pages 219–323

English edition of *Uspekhi Fizicheskikh Nauk*
March 2024 Volume 194 Number 3

Russian original
reference
Usp. Fiz. Nauk
Vol. 194, pages

English translation
reference
Phys. Usp.
Vol. 67, pages

Contents

REVIEWS OF TOPICAL PROBLEMS

233	Integrability structures in string theory K A Gubarev, E T Musaev	219
268	Development of laser spectroscopy of spin noise G G Kozlov, I I Ryzhov, A V Kavokin, V S Zapasskii	251
291	Coherent nuclear fluorescence: synchrotron Mössbauer radiation G V Smirnov	272

ON THE 100th ANNIVERSARY OF THE BIRTH OF N G BASOV CONFERENCES AND SYMPOSIA

312	Basov Readings	292
313	Research in plasma physics and particle acceleration using the PEARL petawatt laser A A Soloviev, K F Burdonov, V N Ginzburg, M Yu Glyavin, R S Zemskov, A V Kotov, A A Kochetkov, A A Kuzmin, A A Murzanev, I B Mukhin, S E Perevalov, S A Pikuz, M V Starodubtsev, A N Stepanov, J Fuchs, I A Shaykin, A A Shaykin, I V Yakovlev, E A Khazanov	293

Continued overleaf

*Russian original
reference
Usp. Fiz. Nauk
Vol. **194**, pages*

Contents continued

*English translation
reference
Phys. Usp.
Vol. **67**, pages*

METHODOLOGICAL NOTES

- 336 **On the problem of detecting Majorana fermions in heat capacity and Hall effect measurements in the Kondo insulator YbB₁₂** 314
A N Azarevich, A V Bogach, S Yu Gavrilkin,
S V Demishev, N E Sluchanko

PHYSICS NEWS

- 344 **Physics news on the Internet: March 2024** 322
Yu N Eroshenko