

Abstract Submitted
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N-resonances **and**
atomic clocks CHRIS SMALLWOOD, IRINA NOVIKOVA, SERGEI ZIBROV,
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ZIBROV, Harvard-Smithsonian, ALEKSEI TAICHENACHEV, VALERIY YUDIN,
Novosibirsk State University — N-resonances are all-optical three-photon-absorption
resonances with potential applications in small atomic clocks. We present a charac-
terization of N-resonances in ^{87}Rb in a vapor cell and detailed comparison with an
analytical model.

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