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DYNAMICS OF OPTICALLY LEVITATED NANOPARTICLES IN HIGH VACUUM



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GRIN Publishing Jun 2015, 2015. Taschenbuch. Condition: Neu. Neuware - Doctoral Thesis / Dissertation from the year 2014 in the subject Physics - Optics, grade: Excellent Cum Laude with Honors, , language: English, abstract: The present thesis investigates the dynamics of optically levitated particles in high vacuum. A levitated nanoparticle in high vacuum constitutes a nanomechanical resonator featuring a small mass and a ultra-high quality factor - significantly higher than that of fabricated nanomechanical resonators, which are approaching fundamental limits...

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- Authored by Jan Gieseler
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