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Structure, Formation, And Interactions Of Ultracold Polar ... Partie Theorique, Nous Avons Examine Les Mecanismes Possibles De Formation De Molecules Ultra-froides Stables De LiCs Dans Des Niveaux Rovibrationnels Tres Li Es, Par L'intermediaire De La Photo-association De Paires D'atomes Li Et Cs. Nous Avons Aussi Etendu L'etude 1th, 2024 Ultracold Atoms, Circular Waveguides, And Cavity QED With ... List Of Figures V List Of Tables Viii Acknowledgments Ix 1 Introduction 1 ... - Wolof Proverb 'Slowly, Slowly' Catches The Monkey. I'm Quite Certain That This Phrase, Frequently ... First And Foremost, I Am Grateful Beyond Words To My Advisor, Dan Stamper-Kurn, 1th, 2024 Ultracold Molecular Collisions In Combined Electric And ... We Consider Collisions Of Electric And Magnetic Polar Molecules, Taking The OH Radical As An Example, Subject ... These Molecules Have Appreciable Electric Dipole Moments, So ... Been Considered In The Presence Of Either Electric [13] or Magnetic [3th, 2024.

Feshbach Resonances In Ultracold Gases Posed By Feshbach To Realize Resonant Scattering Between Ultracold Alkali Atoms. Previously, Laser And Evaporative Cooling Of Atoms Had Allowed Physicists To Reach Temperatures As Low As 1 K. However, It Is Much Harder To Cool Molecules, Because Their Energy Levels And Structure Are Much More Complicated Than Those Of A Single Atom. 4th, 2024 When Fermions Become Bosons: Pairing Ultracold Gases Bose Molecules And Undergo Bose-Einstein Condensation. The Key Question Addressed Theoretically Was, Are The BCS And BEC Theories The Endpoints Of A More General Theory That Connects Fermi Superfluids To Molecular Bose Superfluids? The Simplest Conceptual And Physical Picture Of The Evolution From BCS To BEC Superfluidity For S-wave Pairing

Can 2th, 2024ULTRACOLD SPIN-POLARIZED FERMI GASES WITH SPIN ...ilk Olarak H. K. Onnes Taraf Ndan 1911 Y L Nda Civa'y 4.2 Kelvinin Alt Na Indirince Bulunmu' stur. Civan N Elektiri Gi Surt Unmesiz Iletti Gini Bulmu' stur. ... Fermion Pairs Was Solved In 1956 By Leon Cooper, Who Showed That Arbi-trarily Attractive Interaction Between Fermions On Top Of T 3th, 2024.

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Sorting Ultracold Atoms In A Three-dimensional Optical ...Atoms In A Variety Of Arrays Of Dipole Light Traps Have ... We Can Target Any Site In A $5 \times 5 \times 5$ Lattice By Using A Pair Of Focused Addressing Beams Intersecting At A Right Angle14,19. Targeting Pro- ... Know Exactly Where The Vacancies Are Is An Advantage Of This Approach To Filling 2th, 2024Feshbach Resonances In Ultracold Atoms1.Introduction The Objective Of This Project Is To Develop A Theoretical Understanding Of Feshbach Resonances And Observe Them Experimentally In A Gas Of Ultracold Atoms. Feshbach Resonances In Ultracold Atomic Gases Are Scattering Resonances In Which The Colli-sion Cross-section For Two Colliding 4th, 2024ULTRACOLD CHEMISTRY Coherently Forming A Single ...Strongly Focused Gaussian Beams To Provide Strong Spatial Confinements Of Laser-cooled Atoms. When The Beam Waists W OT Are Compa-rabletothewavelength L (here, W OT ≈ 0.75 Mm And L =0.852mm), The Tightly Focused Beams Exhibit Longitudinal Polarization Components (31), Which Give Rise To Spatially Varying Ellip-tical Polarizations, Even For ... 1th, 2024.

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Golden Gate Fields Monday, January 18 ...7 Katie's Paradise L1 A Ayuso 122 8 8 I'll
Do It For You L R Barber 122 20 Eighth Race Approx Post Time: 4:28PM Mark Bet
Slips North Track \$1 Exacta / \$0.50 Trifecta \$1 Superfecta (.10 Min) / \$2 Rolling
Double \$1 Rolling Super High Five Leg 2 Of The \$1 Golden Hour Pick 4 (starts With
Race 8 At Santa Anita) 1M. (All Weather). Starter Allowance ... 3th, 2024Golden
Gate Fields Golden Gate Fields Sunday, February 28 ...5 Katie's Paradise L K Orozco
122 20 6 Zakar L B Pena 122 15 7 This Is The One L C Martinez 122 7/5 8 Sweet And
Softly L E Roman 122 5 9 Vegas Palm L I Orozco 122 9/2 Eighth Race Approx Post
Time: 4:35PM Mark Bet Slips North Track \$1 Exacta / \$0.50 Trifecta \$1 Superfecta
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