

Long-lived States In Collisions

by Slobodan D Bosanac

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PDF (921 K) - NRC Research Press Search for long-lived particles that decay into final states containing . The first encounter with a very long-lived excited electronic state in this . The first collision cell located between the ion source and the magnetic sector was ... Long-lived excited electronic states of the dichloroethylene cation . We study the long-lived states which occur when a field-driven polymer chain collides with two or more fixed obstacles. For two obstacles we show that below a ... LONG-LIVED AUTO/OPTIONAL STATES OF NOBLE-GAS ATOMS . Long-lived states in atom-molecule collisions. David A. Micha. Acc. Chem. Res. , 1973, 6 (4), pp 138–144. DOI: 10.1021/ar50064a005. Publication Date: April ... Long-lived states and irregular dynamics in inelastic collisions . Two-dimensional classical analysis of long-lived state in collisions of He-Li²⁺ [(A) 1 ? u +] is reported. Multiple collisions are found at a range of collisional ... I-Changing Collisions in Cold Rydberg Gases - University of Michigan We identify the long-lived states as high-l Rydberg states, and explain their appearance by l-changing collisions between slow, free electrons and the initially ex-. NSF Award Search: Award#8845450 - Long-Lived States in Atom . ?(1S) suppression at sqrt s_{NN} = 2.76 TeV PbPb collisions is also reported in ... for long-lived particles decaying to a final state that includes a pair of leptons. u- \bar{u} T u - Journal of Experimental and Theoretical Physics Nov 11, 2015 . The coherent production of the \$ states of the π^+/π^- atoms (2π) in relativistic nuc-nuc collisions is considered as a ... Long-lived states in atom-surface collisions . - ResearchGate Search for diboson resonances in the $q\bar{q}$ final state in pp collisions at $\sqrt{s} = 13$. Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8$... time-dependent studies of cold-atom photoassociation have revealed a long-lived (106 s). shape resonance in the scattering of cold ground-state atoms [10]. Long-lived complexes and chaos in ultracold molecular collisions Two-dimensional classical analysis of long-lived state in collisions of He-Li²⁺ ((A)1 Sigma u+) is reported. Multiple collisions are found at a range of collisional ... Long-Lived States in Atom-Molecule Collisions in the ion beam of ions in metastable or long-lived radiative states. In order ... The a nu and b 4Z2, excited states of O₂⁺ were identified in the collision. Observation of epsilon suppression, search for long-lived particles, a May 16, 2015 . Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $\sqrt{s} = 8$ TeV ... Search for long-lived, heavy particles in final states with a muon and . COLLISIONS OF LONG-LIVED EXCITED IONS OF OXYGEN AND NITROGEN . The a 4?u and b 4?g excited states of O₂⁺ were identified in the collision ... COLLISIONS OF LONG-LIVED EXCITED IONS OF OXYGEN . - DOI In molecular collisions, long-lived complexes may be formed that correspond to quasi-bound states in the van der Waals potential and give rise to peaks in the . Classical long-lived states in collisions of the He-Li²⁺ ((A)1 Sigma u+ . Nov 25, 2014 . Title: Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at sqrt(s) = 8 ... Quantum dynamical resonances in low-energy CO(j = 0) + He . Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS . Search for long-lived, heavy particles in final states with a muon and . Sep 2, 2011 . Long-lived states of antiprotonic lithium Li produced in Li collisions. Kazuhiro Sakimoto. Phys. Rev. A 84, 032501 – Published 2 September ... Long-lived states of antiprotonic lithium p⁻ Li⁺ produced in p⁺ Li . Chem. Soc., 94, 4724. (1972). Long-Lived States in Atom-Molecule Collisions. David A. Micha. Quantum Theory Project, Departments of Chemistry and Physics. The formation of long-lived collision complexes and the irregular, chaotic dynamics of such systems is studied for a simplified billiard-type model. The model ... Search for long-lived particles that decay into final states containing . The resonance energies of long-lived states in elastic scattering of atoms by solid surfaces are related to the trajectories of poles of the scattering matrix in the . ?ExoticsPublicResults AtlasPublic TWiki Policy Office Website. Award Abstract #8845450. Long-Lived States in Atom-Molecule Collisions. NSF Org: OISE . Office Of Internatl Science &Engineering. Long-lived states in electrophoresis: Collision of a polymer chain . It is shown that highly excited long-lived states of hydrogen molecules and atoms, . oxygen, hydrogen and carbon atoms are formed when there are collisions ... Charge exchange ionization in collision cells as a method to detect . Oct 28, 2012 . Title: Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at sqrt(s)=7 ... Search for Long-Lived Particles in e+e? Collisions - SLAC - Stanford . Coherent production of the long-lived pionium nP states in . - inSPIRE Charge exchange ionization in collision cells as a method to detect the presence of long-lived excited electronic states of polyatomic ions. Kwon CH(1), Kim MS, ... Long-lived states in atom-surface collisions: Reciprocal lattice vector . Jan 31, 2014 . Long-lived complexes and chaos in ultracold molecular collisions. James F. E. ... quantum states of matter [1,2] and the sensitive control over. Case Studies in Atomic Collision Physics - Google Books Result Charge exchange ionization in collision cells installed in a double focusing mass . to detect the presence of a long-lived excited electronic state of benzene ion. Classical long-lived states in collisions of the H.INIS SLAC-PUB-16226. Search for Long-Lived Particles in e+e?. Collisions. J. P. Lees., 1 Novosibirsk State Technical University, Novosibirsk 630092 c. , Russia. Charge exchange ionization in collision cells as a method . - Springer ? Long-lived states in atom-molecule collisions - Accounts of . Long-lived autoionizing states of argon, krypton, and xenon atoms, and of singly-charged argon ions, . electric field collide with residual gas molecules (form-. Ultracold Collisions Observed in Real Time Title: Long-lived states in atom-surface collisions: Reciprocal lattice vector poles. Authors: Bosanac, S.; Micha, David A. Affiliation: AA(Departments of Chemistry ...

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