

# Janis A Mckenna

## List of Publications by Year in descending order

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Version: 2024-02-01

235  
papers

9,864  
citations

41258

49  
h-index

45213

90  
g-index

242  
all docs

242  
docs citations

242  
times ranked

7873  
citing authors

#	ARTICLE	IF	CITATIONS
1	Update on the status of women in physics in Canada. AIP Conference Proceedings, 2019, , .	0.3	1
2	Observation of the Decay $D^0 \rightarrow K^0 \pi^+ \pi^-$ Physical Review Letters, 2019, 122, 081802.	2.9	7
3	Search for a Stable Six-Quark State at BABAR. Physical Review Letters, 2019, 122, 072002.	2.9	10
4	Nonunique and nonuniform mapping in few-body Coulomb-explosion imaging. Physical Review A, 2018, 97, .	1.0	8
5	Study of the reactions $e^+e^- \rightarrow \mu^+\mu^- \gamma$ Measurement of $\cos^2 \theta$ Physical Review D, 2018, 98, .	1.6	16
6	in $B^0 \rightarrow D^0 \mu^+ \mu^-$		

#	ARTICLE	IF	CITATIONS
19	Measurement of the $e^+e^- \rightarrow \tau^+ \tau^- \nu_e \bar{\nu}_e$ cross section using initial-state radiation at BABAR. Physical Review D, 2017, 96, .	1.6	18
20	Measurement of the $D^*(2010)^+ \rightarrow D^+ \pi^0$ Mass Difference. Physical Review Letters, 2017, 119, 202003.	2.9	2
21	Measurement of the $e^+e^- \rightarrow \tau^+ \tau^- K_S^0 K_S^0$ and $K_S^0 K_S^0 \pi^0$ cross sections using initial-state radiation. Physical Review D, 2017, 95, .	1.6	8
22	Evidence for $C \rightarrow P$ violation in $B \rightarrow K^* K^* \pi^0$ decay. Physical Review D, 2017, 95, .	1.6	7
23	Low-energy $e^+e^-$ Hadronic Cross-Section Measurements and Implications for $(g-2)$ of the Muon. Journal of Physics: Conference Series, 2016, 770, 012037.	0.3	0
24	Tests of $C \rightarrow P$ symmetry in $B \rightarrow T$ decays. Physical Review D, 2016, 94, .	1.6	4
25	Search for a muonic dark force at BaBar. Physical Review D, 2016, 94, .	1.6	108
26	Measurement of the $S$ -wave amplitude from Dalitz plot analyses of $B \rightarrow \pi^+ \pi^- \pi^0$ in two-photon interactions. Physical Review D, 2016, 93, .	1.6	9
27	Search for $B \rightarrow K^* K^* \pi^0$ decays. Physical Review D, 2016, 93, .	1.6	3
28	Time-dependent analysis of $B \rightarrow K^* K^* \pi^0$ decays. Physical Review D, 2016, 93, .	1.6	6
29	Measurement of angular asymmetries in the decays $B \rightarrow K^* K^* \pi^0$ . Physical Review D, 2016, 93, .	1.6	29
30	Measurement of the neutral $D$ meson mixing parameters in a time-dependent amplitude analysis of the $D^0 \rightarrow \tau^+ \tau^- \nu_e \bar{\nu}_e$ decay. Physical Review D, 2016, 93, .	1.6	9
31	Observation of $B \rightarrow K^* K^* \pi^0$ decays. Physical Review D, 2015, 91, .	2.9	14
32	Measurement of the $B \rightarrow D^* \pi^+ \pi^- \nu_e \bar{\nu}_e$ branching fraction. Physical Review D, 2016, 94, .	1.6	6
33	Measurement of the $B \rightarrow D^* \pi^+ \pi^- \nu_e \bar{\nu}_e$ decay branching fraction as a function of $\sqrt{s}$ . Physical Review D, 2015, 91, .	1.6	28
34	Search for a light Higgs resonance in radiative decays of the $\eta'(1S)$ with a charm tag. Physical Review D, 2015, 91, .	1.6	8
35	Study of the $B \rightarrow K^* K^* \pi^0$ decays in the energy range from 2.6 to 8.0 GeV. Physical Review D, 2015, 92, .	1.6	13
36	Measurement of initial-state $e^+e^-$ final-state radiation interference in the processes $B \rightarrow K^* K^* \pi^0$ . Physical Review D, 2015, 92, .	1.6	18

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37	Observation of $C \rightarrow P$ Violation in $\dots$ $A \rightarrow B \rightarrow C$	2.9	14
38	Observation of the baryonic decay $B_c^+ \rightarrow p \bar{K}^0$ . Physical Review D, 2015, 91, . Collins asymmetries in inclusive charged $\dots$	1.6	3
39	$K \rightarrow K$ and $\dots$ $K \rightarrow \bar{K}$ pairs produced in $\dots$	1.6	23
40	Women in physics in Canada. AIP Conference Proceedings, 2015, , . Measurement of the branching fractions of the radiative leptonic $\dots$	0.3	2
41	$\bar{B}_s$ decays $\dots$ $\bar{B}_s \rightarrow e \nu_e \mu^+ \mu^-$	1.6	10
42	Study of $\dots$ $B \rightarrow K$	1.6	40
43	Physical Review D, 2015, 91. $C \rightarrow P$ Asymmetry in $\dots$	2.9	15
44	Search for Long-Lived Particles in $\dots$ Physical Review Letters, 2015, 114, 171801.	2.9	34
45	$\bar{B}_s \rightarrow D$	1.6	32
46	Search for new $\dots$ -like particles produced in association with $a_1^-$ -lepton pair. Physical Review D, 2014, 90, . Bottomonium spectroscopy and radiative transitions involving the $\dots$	1.6	2
47	$b \rightarrow c$		

#	ARTICLE	IF	CITATIONS
55	Measurement of the $B \rightarrow Xs$ Fraction and Search for Dire. Physical Review Letters, 2014, 112, .	2.9	78
56	Dalitz plot analysis of $B \rightarrow K\pi^0$ decays. Physical Review D, 2014, 89, .	1.6	7
57	Study of the reaction $B \rightarrow D^* \pi^0$ . Physical Review D, 2013, 87, .	1.6	17
58	Antideuteron production in $B \rightarrow D^* n$ decays. Physical Review D, 2013, 87, .	1.6	17
59	Elucidating isotopic effects in intense ultrafast laser-driven $D_2$ fragmentation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 031001.	0.6	7
60	Search for a Dark Photon in $B \rightarrow e^+ e^-$ decays. Physical Review Letters, 2014, 113, 201801.	1.6	25
61	Search for lepton-number violating $B \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ decays. Physical Review D, 2014, 89, .	1.6	25
62	The BB detector: Upgrades, operation and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 615-701.	0.7	148
63	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. Physics Reports, 2013, 532, 119-244.	10.3	453
64	Search for di-muon decays of a low-mass Higgs boson in radiative decays of the $\Upsilon(1S)$ . Physical Review D, 2013, 87, .	1.6	10
65	Branching fraction measurement of $B \rightarrow \tau^+ \tau^-$ decays. Physical Review D, 2013, 87, .	1.6	15
66	Search for direct Cabibbo-suppressed $B \rightarrow D^* K$ violation in singly Cabibbo-suppressed $B \rightarrow D^* K$ decays. Physical Review D, 2013, 87, .	1.6	9
67	Search for a low-mass scalar Higgs boson decaying to a tau pair in single-photon decays of the $\Upsilon(1S)$ . Physical Review D, 2013, 88, .	1.6	31
68	Study of $B \rightarrow D^* e^+ e^-$ decays. Physical Review D, 2013, 87, .	1.6	122
69	Search for $B \rightarrow D^* K$ decays. Physical Review D, 2013, 87, .	1.6	17
70	Search for $B \rightarrow K^* K$ decays. Physical Review D, 2013, 87, .	1.6	113
71	Search for $B \rightarrow K^* K$ decays. Physical Review D, 2013, 87, .	1.6	113
72	Study of $B \rightarrow D^* e^+ e^-$ decays. Physical Review D, 2013, 87, .	1.6	122









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127	<p>Study of <math>B \rightarrow K^* \ell^+ \ell^-</math> decays to <math>C \rightarrow P</math> violation in Dalitz-plot analyses of <math>B \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 83, .</p>	1.6	11
128	<p>Measurement of <math>B \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 83, .</p>	1.6	11
129	<p>Measurement of <math>B \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 83, .</p>	1.6	50
130	<p>Search for charged Higgs bosons in <math>e^+e^-</math> collisions at <math>\sqrt{s}=189</math> GeV. European Physical Journal C, 2012, 72, 2076.</p>	1.6	39
131	<p>Measurements of intense ultrafast laser-driven <math>D \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 83, .</p>	1.4	22
132	<p>Amplitude analysis of <math>B \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 83, .</p>	1.0	28
133	<p>evidence of direct <math>C \rightarrow P</math> violation in <math>B \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 83, .</p>	1.6	28
134	<p>Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in <math>B \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 83, .</p>	1.6	8
135	<p>Study of radiative bottomonium transitions using converted photons. Physical Review D, 2011, 84, .</p>	1.6	14
136	<p>Search for <math>B \rightarrow K^* \ell^+ \ell^-</math> transitions in <math>B \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 84, .</p>	1.6	12
137	<p>Search for CP violation in the decay <math>D \rightarrow K^* \ell^+ \ell^-</math>. Physical Review D, 2011, 83, .</p>	1.6	23
138	<p>Searches for rare or forbidden semileptonic charm decays. Physical Review D, 2011, 84, .</p>	1.6	42
139	<p>Studies of <math>B \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 83, .</p>	1.6	33
140	<p>Searches for the baryon- and lepton-number violating decays <math>B \rightarrow K^* \ell^+ \ell^-</math>. Physical Review D, 2011, 83, .</p>	1.6	19
141	<p>Measurement of <math>B \rightarrow K^* \ell^+ \ell^-</math> decays. Physical Review D, 2011, 83, .</p>	1.6	19
142	<p>Observation of the baryonic <math>B \rightarrow K^* \ell^+ \ell^-</math> decay. Physical Review D, 2011, 84, .</p>	1.6	3
143	<p>Observation of the rare decay <math>B \rightarrow K^* \ell^+ \ell^-</math> measurement of the quasi-two-body contributions. Physical Review D, 2011, 84, .</p>	1.6	16
144	<p>Measurement of partial branching fractions of inclusive charmless <math>B</math> meson decays to <math>K^+, K^0</math>, and <math>\bar{K}^0</math>. Physical Review D, 2011, 83, .</p>	1.6	4



#	ARTICLE	IF	CITATIONS
163	Observations of branching fractions and asymmetries and studies of angular distributions for $C \rightarrow P$ decays. Physical Review D, 2011, 84, .	1.6	9
164	Search for Hadronic Decays of a Light Higgs Boson in the Radiative Decay $\gamma \rightarrow \pi^0 \pi^0$ . Physical Review Letters, 2011, 107, 221803.	2.9	55
165	Search for CP violation using T-odd correlations in $D^+ \rightarrow K^0 \pi^+ \pi^0$ and $D_s^+ \rightarrow K^0 \pi^+ \pi^0$ decays. Physical Review D, 2011, 84, .	1.6	14
166	Observation of the Decay $B \rightarrow \pi^0 \pi^0$ . Physical Review Letters, 2011, 107, 041804.		
167	Three-dimensional energy profile measurement of a molecular ion beam by coincidence momentum imaging compared to a retarding field analyzer. Journal of Instrumentation, 2010, 5, P10006-P10006.	0.5	0
168	Search for invisibly decaying Higgs bosons in $B \rightarrow \pi^0 \pi^0$ decays. Physical Review Letters, 2011, 107, 041804.	1.5	19
169	Search for CP violation in the decay $B \rightarrow \pi^0 \pi^0$ . Physical Review Letters, 2011, 107, 041804.		
170	Search for $B \rightarrow \pi^0 \pi^0$ transitions in $B \rightarrow \pi^0 \pi^0$ and $D \rightarrow K^0 \pi^0$ decays. Physical Review D, 2010, 82, .	1.6	25
171	Evidence for Direct CP Violation in the Measurement of the Cabbibo-Kobayashi-Maskawa Angle $\beta$ with $B \rightarrow \pi^0 \pi^0$ Decays. Physical Review Letters, 2010, 105, 121801.	2.9	56
172	Vibrationally cold $CO$ intense ultrashort laser pulses. Physical Review A, 2010, 81, .	1.0	10
173	Search for Charged Lepton Flavor Violation in Narrow $\pi$ Decays. Physical Review Letters, 2010, 104, 151802.	2.9	26
174	Measurement of $D^0 \rightarrow \pi^0 \pi^0$ Mixing Parameters Using $D^0 \rightarrow K^0 \pi^0$ and $D^0 \rightarrow K^0 K^0$ Decays. Physical Review Letters, 2010, 105, 081803.	2.9	80
175	Measurement of $B \rightarrow \pi^0 \pi^0$ observables in $B \rightarrow \pi^0 \pi^0$ decays. Physical Review Letters, 2011, 107, 041804.	2.9	6
176	Exclusive production of $CKM$ magnitudes in $B \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2011, 84, .	1.6	32
177	Measurements of Charged-Current Lepton Universality and $B \rightarrow \pi^0 \pi^0$ decays. Physical Review Letters, 2011, 107, 041804.	1.6	28
178	Searches for Lepton Flavor Violation in the Decays $B \rightarrow \pi^0 \pi^0$ and $D \rightarrow K^0 \pi^0$ . Physical Review Letters, 2011, 107, 041804.	2.9	47
179	Searches for Lepton Flavor Violation in the Decays $B \rightarrow \pi^0 \pi^0$ and $D \rightarrow K^0 \pi^0$ . Physical Review Letters, 2011, 107, 041804.	2.9	67
180	Searches for Lepton Flavor Violation in the Decays $B \rightarrow \pi^0 \pi^0$ and $D \rightarrow K^0 \pi^0$ . Physical Review Letters, 2010, 104, 021802.	2.9	421

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181	Measurement of the form factor. Physical Review D, 2010, 81, .		
182	Measurement of branching fractions of B decays to $K_1(1270)$ and $K_1(1400)$ and determination of the CKM angle $\alpha_1$ from $B \rightarrow a_1(1260) \bar{K}^*$ . Physical Review D, 2010, 81, .	1.6	16
183	Closed-loop control of vibrational population in $CO_2$ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 015101.	0.6	12
184	Observation of the $B \rightarrow \bar{K}^* D$ decays. Physical Review D, 2010, 82, .	1.6	33
185	Search for the rare decay $B \rightarrow \bar{K}^* K \bar{K}^*$ . Physical Review D, 2010, 82, .	1.6	26
186	Correlated leading baryon-antibaryon production in $e^+e^- \rightarrow c\bar{c} \rightarrow \Lambda^+ \bar{\Lambda}^0 X$ . Physical Review D, 2010, 82, .	1.6	2
187	Search for $B^+$ meson decay to $a_1(1260) K^*(892)$ . Physical Review D, 2010, 82, .	1.6	6
188	Evidence for the decay $X \rightarrow T_j \bar{E} T Q Q_0$ . Physical Review D, 2010, 82, .		
189	Search for $B \rightarrow D^+ K^0$ and $B \rightarrow D^+ K^0$ decays. Physical Review D, 2010, 82, .	1.6	4
190	Search for $B \rightarrow \bar{K}^* D$ decays against $B \rightarrow \bar{K}^* D$ . Physical Review D, 2010, 81, .	1.6	70
191	B-meson decays to $\bar{K}^* \bar{K}^*$ , and $\bar{K}^* K^*$ . Physical Review D, 2010, 82, .	1.6	11
192	Observation of the rare decay $B \rightarrow K^* K^*$ . Physical Review D, 2010, 82, .	1.6	8
193	Observation of inclusive $B \rightarrow D^* K^*$ decays in the decay of $B \rightarrow \bar{K}^* D$ . Physical Review D, 2010, 82, .	1.6	5
194	Measurement of the absolute branching fractions for $B \rightarrow \bar{K}^* D$ decays and extraction of the decay constant $f_{D^*}$ . Physical Review D, 2010, 82, .		
195	Limits on lepton-flavor violating decays into three charged leptons. Physical Review D, 2010, 82, .	1.6	47
196	Observations of $B \rightarrow D^* K^*$ decays and determination of $f_{D^*}$ . Physical Review D, 2010, 82, .	1.6	122
197	Observation of the decay $B \rightarrow \bar{K}^* K^*$ . Physical Review D, 2010, 82, .	1.6	7
198	Study of $B \rightarrow \bar{K}^* X$ and determination of $f_{D^*}$ . Physical Review D, 2010, 82, .	1.6	32

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199	Observation of the $\text{CP}$ violation in $B \rightarrow \pi^0 \pi^0$ decays. Physical Review Letters, 2009, 103, 051803.	1.6	72
200	Search for $\text{CP}$ violation using $T$ -odd correlations in $D^0 \rightarrow \pi^+ K^+ K^- \pi^-$ decays. Physical Review D, 2010, 81, .	1.6	23
201	Measurement and interpretation of moments in inclusive semileptonic decays. Physical Review D, 2010, 81, .	1.6	23
202	Interrogating Molecular-Ion Beams by Ultrashort Intense Laser Pulses. , 2009, , .		0
203	Measurement of Semileptonic $B \rightarrow \pi^0 \pi^0$ Decays into Orbitally Excited Charmed Mesons. Physical Review Letters, 2009, 103, 051803.	2.9	29
204	Improved Measurement of $B \rightarrow \pi^0 \pi^0$ Decays into Orbitally Excited Charmed Mesons. Physical Review Letters, 2009, 103, 051803.	2.9	27
205	Improved Limits on Lepton-Flavor-Violating $\tau \rightarrow \mu \gamma$ , $\tau \rightarrow e \gamma$ , $\tau \rightarrow \mu \mu \mu$ , $\tau \rightarrow e e e$ , and $\tau \rightarrow e \mu \mu$ . Physical Review Letters, 2009, 103, 021801.	2.9	11
206	Measurement of $B \rightarrow \pi^0 \pi^0$ Branching Fractions and $\text{CP}$ and Isospin Asymmetries. Physical Review Letters, 2009, 103, 211802.	2.9	32
207	Evidence for the $\hat{b}(1S)$ Meson in Radiative $\hat{b}(2S)$ Decay. Physical Review Letters, 2009, 103, 161801.	2.9	81
208	Benchmark Measurements of $B \rightarrow \pi^0 \pi^0$ Decays into Orbitally Excited Charmed Mesons. Physical Review Letters, 2009, 103, 051803.	2.9	47
209	Direct $\text{CP}$ violation in $B \rightarrow \pi^0 \pi^0$ decays. Physical Review Letters, 2009, 103, 051803.	2.9	173
210	Measurement of $B \rightarrow \pi^0 \pi^0$ Decays into Orbitally Excited Charmed Mesons. Physical Review Letters, 2009, 103, 051803.	2.9	70
211	Dalitz plot analysis of $B \rightarrow \pi^0 \pi^0$ decays. Physical Review Letters, 2009, 103, 051803.	2.9	69
212	Measurement of $B \rightarrow \pi^0 \pi^0$ Decays into Orbitally Excited Charmed Mesons. Physical Review Letters, 2009, 103, 051803.	2.9	69
213	Determination of $B \rightarrow \pi^0 \pi^0$ Decays into Orbitally Excited Charmed Mesons. Physical Review Letters, 2009, 103, 051803.	2.9	4
214	Women Physicists in Canada. , 2009, , .		0
215	Dalitz plot analysis of $B \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2009, 79, .	1.6	49
216	Branching fractions and $\text{CP}$ -violating asymmetries in radiative $B$ decays to $\hat{K}^0 \hat{K}^0$ . Physical Review D, 2009, 79, .	1.6	7

#	ARTICLE	IF	CITATIONS
217	Constraints on the CKM angle $\beta_1$ from a Dalitz analysis of $B \rightarrow D^0 K^0$ decays to $K^+ \pi^-$ . Physical Review D, 2009, 79, .	1.6	13
218	Measurement of the $B \rightarrow \pi^0 \ell^+ \ell^-$ and $B \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ branching fractions. Physical Review D, 2009, 79, .	1.6	12
219	Angular distributions in the decay $B \rightarrow \pi^0 \ell^+ \ell^-$ . Physical Review D, 2009, 79, .	1.6	7
220	Evidence for $B \rightarrow \pi^0 K^+ K^-$ . Physical Review D, 2009, 79, .	1.6	7
221	Measurement of $B \rightarrow \pi^0 \ell^+ \ell^-$ meson decays to charmless meson pairs containing $\pi^0$ . Physical Review D, 2009, .	1.6	16
222	Measurement of $B \rightarrow \pi^0 \ell^+ \ell^-$ meson decays to charmless meson pairs using the ratio of lifetimes for the decays $B \rightarrow \pi^0 \ell^+ \ell^-$ and $B \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ . Physical Review D, 2009, .	1.6	15
223	Dalitz plot analysis of $D_s \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ . Physical Review D, 2009, 79, .	1.6	38
224	Laser-induced multiple ionization of molecular ion beams: $N_2^{2+}$ . Physical Review A, 2009, 80, .	1.0	15
225	Examining the feedback signals used in closed-loop control of intense laser fragmentation of $CO_2$ . Physical Review A, 2009, 80, .	1.0	7
226	Dissociation and ionization of an HD <sup>+</sup> beam induced by intense 395-nm ultrashort laser pulses. Physical Review A, 2009, 80, .	1.0	8
227	Exclusive initial-state-radiation production of the $D \rightarrow \pi^+ \pi^-$ and $D \rightarrow \pi^0 \pi^0$ systems. Physical Review D, 2009, 79, .	1.6	0
228	Exclusive initial-state-radiation production of the $D \rightarrow \pi^+ \pi^-$ , $D \rightarrow \pi^0 \pi^0$ , and $D \rightarrow \pi^+ \pi^-$ systems. Physical Review D, 2009, 79, .	1.6	83
229	Measurement of CP violation observables and parameters for the decays $B \rightarrow \pi^+ \pi^- K^+ \pi^-$ . Physical Review D, 2009, 80, .	1.6	10
230	Hard collisions of few keV diatomic molecular ions with atomic gas targets: Collision induced dissociation and target ionization. Journal of Physics: Conference Series, 2009, 194, 102004.	0.3	1
231	Dissociative and non-dissociative electron capture by keV diatomic molecular ions from noble gases. Journal of Physics: Conference Series, 2009, 194, 102019.	0.3	0
232	Benchmark experiment on $H_3^+$ in intense ultrashort laser pulses. Journal of Physics: Conference Series, 2009, 194, 032050.	0.3	1
233	Women in Physics in Canada: Progress and Shortcomings. AIP Conference Proceedings, 2005, .	0.3	1
234	Attracting Girls Into Physics. AIP Conference Proceedings, 2005, .	0.3	1

#	ARTICLE	IF	CITATIONS
235	INITIAL STATE RADIATION STUDIES AT THE $\Upsilon(4S)$ USING THE BABAR DETECTOR. , 2005, , .		0