

Nayan Das

Plagarism_thesis.pdf

 Quick Submit Quick Submit Indian Institute of Technology Guwahati

Document Details

Submission ID

trn:oid::1:3497536455

Submission Date

Mar 4, 2026, 8:19 PM GMT+5:30

Download Date

Mar 4, 2026, 8:32 PM GMT+5:30

File Name

Plagarism_thesis.pdf

File Size

5.5 MB

55 Pages

16,831 Words

87,104 Characters

19% Overall Similarity

The combined total of all matches, including overlapping sources, for each database.

Filtered from the Report

- Bibliography
- Small Matches (less than 8 words)

Match Groups

- 295 Not Cited or Quoted 19%**
Matches with neither in-text citation nor quotation marks
- 9 Missing Quotations 1%**
Matches that are still very similar to source material
- 0 Missing Citation 0%**
Matches that have quotation marks, but no in-text citation
- 0 Cited and Quoted 0%**
Matches with in-text citation present, but no quotation marks

Top Sources

- 14% Internet sources
- 14% Publications
- 4% Submitted works (Student Papers)

Integrity Flags

2 Integrity Flags for Review

- Replaced Characters**
137 suspect characters on 30 pages
Letters are swapped with similar characters from another alphabet.
- Hidden Text**
1 suspect characters on 1 page
Text is altered to blend into the white background of the document.

Our system's algorithms look deeply at a document for any inconsistencies that would set it apart from a normal submission. If we notice something strange, we flag it for you to review.

A Flag is not necessarily an indicator of a problem. However, we'd recommend you focus your attention there for further review.

Match Groups

- 295 Not Cited or Quoted 19%**
Matches with neither in-text citation nor quotation marks
- 9 Missing Quotations 1%**
Matches that are still very similar to source material
- 0 Missing Citation 0%**
Matches that have quotation marks, but no in-text citation
- 0 Cited and Quoted 0%**
Matches with in-text citation present, but no quotation marks

Top Sources

- 14% Internet sources
- 14% Publications
- 4% Submitted works (Student Papers)

Top Sources

The sources with the highest number of matches within the submission. Overlapping sources will not be displayed.

1	Internet	www.repository.cam.ac.uk	1%
2	Internet	arxiv.org	1%
3	Publication	Debasish Borah, Nayan Das. "Successful cogeneration of baryon and dark matter fro...	<1%
4	Internet	download.bibis.ir	<1%
5	Publication	Debasish Borah, Nayan Das, Nobuchika Okada, Prantik Sarmah. "Possible origin ...	<1%
6	Student papers	University of Warwick	<1%
7	Internet	www.hbni.ac.in	<1%
8	Internet	ecap.nat.uni-erlangen.de	<1%
9	Publication	Gehrman, Thomas C., Jr.. "From Primordial Black Holes to Cepheids, a Focus on th...	<1%
10	Publication	Marco Cirelli, Alessandro Strumia, Jure Zupan. "Dark matter", SciPost Physics Revi...	<1%

11	Internet	dokumen.pub	<1%
12	Internet	theses.hal.science	<1%
13	Internet	d-nb.info	<1%
14	Internet	sciencedocbox.com	<1%
15	Internet	etd.uwc.ac.za	<1%
16	Publication	Nayan Das, Suruj Jyoti Das, Debasish Borah. " Thermalized dark radiation in the p...	<1%
17	Internet	escholarship.org	<1%
18	Publication	Prantik Sarmah, Nayan Das, Debasish Borah, Sovan Chakraborty, Poonam Mehta....	<1%
19	Publication	Qutub, Saleh Sadaka O.. "Dark Matter Production After Inflation and Constraints....	<1%
20	Publication	Eleni Bagui, Sébastien Clesse, Valerio De Luca, Jose María Ezquiaga et al. "Primord...	<1%
21	Publication	Suruj Jyoti Das, Devabrat Mahanta, Debasish Borah. "Low scale leptogenesis and ...	<1%
22	Internet	dottorato.fisica.uniba.it	<1%
23	Student papers	ICTS	<1%
24	Publication	"Cosmology and Particle Astrophysics", Springer Nature, 2004	<1%

25	Publication	Johann Rafelski, Jeremiah Birrell, Christopher Grayson, Andrew Steinmetz, Cheng ...	<1%
26	Internet	eprints.soton.ac.uk	<1%
27	Internet	tel.archives-ouvertes.fr	<1%
28	Internet	www.arxiv-vanity.com	<1%
29	Student papers	University College London	<1%
30	Internet	vdoc.pub	<1%
31	Publication	Lungu, Marius. "Exploring the Universe with the Atacama Cosmology Telescope: ...	<1%
32	Internet	core.ac.uk	<1%
33	Internet	wrap.warwick.ac.uk	<1%
34	Student papers	Queen Mary and Westfield College	<1%
35	Student papers	University of Bristol	<1%
36	Internet	pdffox.com	<1%
37	Internet	theor.jinr.ru	<1%
38	Internet	www.tdx.cat	<1%

39	Publication	Amedeo Balbi. "Astrophysical Cosmology", Questions of Modern Cosmology, 2009	<1%
40	Publication	David Curtin, Marco Drewes, Matthew McCullough, Patrick Meade et al. "Long-liv...	<1%
41	Publication	Teixeira, Maura Gabriela Barros. "Search for Dark Matter in Monotop Events at th...	<1%
42	Student papers	The University of Manchester	<1%
43	Student papers	Unviersidad de Granada	<1%
44	Internet	123dok.org	<1%
45	Publication	Basabendu Barman, Arindam Das, Prantik Sarmah. "What KM3-230213A event m...	<1%
46	Publication	Baules, Victor. "Classically Conformal Hidden U(1) Extended Standard Model and ...	<1%
47	Student papers	King's College	<1%
48	Publication	Nicolás Bernal, Matti Heikinheimo, Tommi Tenkanen, Kimmo Tuominen, Ville Vas...	<1%
49	Publication	S. Mahajan. "Dark matter: why and what?", Pramana, 07/1993	<1%
50	Internet	mediatum.ub.tum.de	<1%
51	Publication	Dan Hooper, Gordan Krnjaic. "GUT baryogenesis with primordial black holes", Ph...	<1%
52	Publication	Giorgio Arcadi, Stefano Profumo. "WIMPs below the radar: blind spots and bench...	<1%

53	Publication	Haipeng An, Xi Tong, Siyi Zhou. "Superheavy dark matter production from a sym...	<1%
54	Publication	Amole, Chanpreet. "The PICO-2L program: Towards background-free dark matter...	<1%
55	Publication	Debasish Borah, Suruj Jyoti Das, Rishav Roshan. "Probing high scale seesaw and P...	<1%
56	Publication	Maksym Stepanov, Lidiia Zadorozhna, Valentyna Babur, Olexandr Gugnin, Bohda...	<1%
57	Publication	Undergraduate Lecture Notes in Physics, 2015.	<1%
58	Internet	theses-doctorat.u-paris.fr	<1%
59	Publication	Abdelrahim, Amro ElDaw Babo. "Cosmological Histories of a Dark Sector Model", ...	<1%
60	Publication	Siyu Jiang, Fa Peng Huang. "Pseudo-Goldstone dark matter from primordial black...	<1%
61	Publication	Sullivan, Matthew Kyle. "Phenomenology of Models with New Scalar Particles.", U...	<1%
62	Student papers	University of Sheffield	<1%
63	Internet	e-publishing.cern.ch	<1%
64	Internet	hdl.handle.net	<1%
65	Publication	Chung, D.J.H.. "The soft supersymmetry-breaking Lagrangian: theory and applica...	<1%
66	Internet	www.inverse.com	<1%

67	Publication	"The Invisible Universe: Dark Matter and Dark Energy", Springer Nature, 2007	<1%
68	Publication	Debasish Borah, Arnab Dasgupta. "Neutrinoless double beta decay in type I+II se..."	<1%
69	Publication	Lars Bergström. Reports on Progress in Physics, 05/2000	<1%
70	Student papers	University of Melbourne	<1%
71	Internet	ricerca.sns.it	<1%
72	Student papers	KTH - The Royal Institute of Technology	<1%
73	Publication	Miguel Escudero, Thomas Schwetz, Jorge Terol-Calvo. "A seesaw model for large n..."	<1%
74	Student papers	San Diego High School	<1%
75	Student papers	University of Arizona	<1%
76	Publication	Gui-Jun Ding, F. R. Joaquim, Jun-Nan Lu. "Texture-zero patterns of lepton mass ma..."	<1%
77	Student papers	Indian Institute of Technology, Kanpur	<1%
78	Student papers	University of Glasgow	<1%
79	Student papers	University of Sussex	<1%
80	Internet	tartarus.org	<1%

81	Internet	www.aanda.org	<1%
82	Internet	www.slac.stanford.edu	<1%
83	Student papers	Higher Education Commission Pakistan	<1%
84	Publication	Madhurima Pandey, Debasish Majumdar, Kamakshya Prasad Modak. "Two comp...	<1%
85	Publication	Xing, Z.Z.. "Nontrivial correlation between the CKM and MNS matrices", Physics L...	<1%
86	Internet	export.arxiv.org	<1%
87	Internet	link.springer.com	<1%
88	Publication	E. Elfgren, S. Fredriksson. "Mass limits for heavy neutrinos", Astronomy & Astrop...	<1%
89	Publication	Shams Es Haghi, Barmak. "Phenomenology of Neutrino Portal Dark Matter and S...	<1%
90	Internet	www.mdpi.com	<1%
91	Publication	Basabendu Barman, Debasish Borah, Suruj Jyoti Das, Rishav Roshan. "Gravitation...	<1%
92	Publication	Hu, Wayne, and Scott Dodelson. "Cosmic Microwave Background Anisotropies", A...	<1%
93	Publication	R. Foot. "Mirror dark matter: Cosmology, galaxy structure and direct detection", I...	<1%
94	Internet	digital.library.unt.edu	<1%

95	Internet	docslib.org	<1%
96	Internet	ia800409.us.archive.org	<1%
97	Publication	"The measurement of the mass difference between the top quark and antiquark ...	<1%
98	Publication	Chan, Victor Carl. "Wrestling With Cosmic Scales.", University of Toronto (Canada)...	<1%
99	Publication	Cristian Armendariz-Picon, Jayanth T. Neelakanta. "How cold is cold dark matter?...	<1%
100	Publication	Disha Bandyopadhyay, Debasish Borah, Nayan Das. "Axion misalignment with m...	<1%
101	Internet	Jue Zhang, Shun Zhou. "A further study of the Frampton-Glashow-Yanagida mode...	<1%
102	Publication	Nabarun Chakrabarty, Partha Konar, Rishav Roshan, Sudipta Show. "Thermally co...	<1%
103	Publication	Pessah, M.E.. "Statistical mechanics and the description of the early universe. (I). ...	<1%
104	Publication	Peter Athron, Kilian Möhling, Dominik Stöckinger, Hyejung Stöckinger-Kim. "The ...	<1%
105	Publication	Pilaftsis, A.. "Resonant leptogenesis", Nuclear Physics, Section B, 20040809	<1%
106	Publication	Thomas C. Gehrman, Barmak Shams Es Haghi, Kuver Sinha, Tao Xu. "Baryogenesi...	<1%
107	Internet	epub.uni-regensburg.de	<1%
108	Internet	iktp.tu-dresden.de	<1%

109	Publication	Akash Kumar Saha. "Searching for dark matter with MeVCube", Physical Review ...	<1%
110	Publication	Andrew J. Long, Andrea Tesi, Lian-Tao Wang. "Baryogenesis at a lepton-number-b...	<1%
111	Publication	Basabendu Barman, Md Rijul Haque, Óscar Zapata. "Gravitational wave signatur...	<1%
112	Publication	Buchmuller, W.. "Neutrinos in the early universe", Comptes rendus - Physique, 20...	<1%
113	Publication	Debasish Borah, Nayan Das, Indrajit Saha. "Large neutrino asymmetry from forbi...	<1%
114	Publication	Dropulic, Adriana. "Disrupting Satellites and Dark Matter: Mapping the Milky Way...	<1%
115	Publication	Fundamentals of Cosmology, 2001.	<1%
116	Publication	Gu, P.H.. "Realistic neutrino genesis with radiative vertex correction", Physics Lett...	<1%
117	Publication	Huber, Zachary Barrett. "Constraining Time-Dependent Parity Violation With Act ...	<1%
118	Publication	Miller, Andrew Stephen. "Partially Composite Supersymmetry.", University of Min...	<1%
119	Publication	Rajesh Mondal, Sourav Mondal, Toshifumi Yamada. "Freeze-in and freeze-out pro...	<1%
120	Publication	The Multi-Messenger Approach to High-Energy Gamma-Ray Sources, 2007.	<1%
121	Publication	Tracy Slatyer. "Les Houches Lectures on Indirect Detection of Dark Matter", SciPo...	<1%
122	Publication	Valle, J.W.F.. "Gauge theories and the physics of neutrino mass", Progress in Parti...	<1%

123	Publication	ZHI-ZHONG XING, SHUN ZHOU. "THE MINIMAL TYPE-I SEESAW MODEL AND FLAV...	<1%
124	Internet	etheses.dur.ac.uk	<1%
125	Internet	heplab2.phy.uic.edu	<1%
126	Internet	iris.sissa.it	<1%
127	Internet	m.moam.info	<1%
128	Internet	open.library.ubc.ca	<1%
129	Internet	ricerca.univaq.it	<1%
130	Internet	wiredspace.wits.ac.za	<1%
131	Internet	www.dapla.org	<1%