

# List of Contributions

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## 1 Articles

### 1.1 Articles in ISI journals

1. The DsTau collaboration: Aoki Shigeki... *Miloi Madalina* ... Yoshimoto Masahiro, (2020) DsTau: study of tau neutrino production with 400 GeV protons from the CERN-SPS, Journal of High Energy Physics **2020**, **33** [https://link.springer.com/article/10.1007/JHEP01\(2020\)033](https://link.springer.com/article/10.1007/JHEP01(2020)033)
2. Jonathan L Feng ... *Miloi Madalina* ... I. S. Zgura, (2023) The Forward Physics Facility at the High-Luminosity LHC, Journal of Physics G - Nuclear and Particle Physics, **volume 50**, **33**, <https://iopscience.iop.org/article/10.1088/1361-6471/ac865e>

### 1.2 Proceedings

1. *Miloi Madalina Mihaela* and DsTau collaboration, (2020) The DsTau Experiment: A Study for Tau-Neutrino Production, Particles 2020, 3(1), 164-168, <https://doi.org/10.3390/particles3010013> after Helmholtz International Summer School "Quantum Field Theory at the Limits: from Strong Fields to Heavy Quarks" Dubna-Russia, 2019
2. Miloi Madalina Mihaela for DsTau collaboration, (2023) Preliminary results of the primary proton interactions in the NA65 (DsTau) experiment, submitted to PEPAN Letters <https://doi.org/10.3390/particles3010013> after The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022)
3. Miloi Madalina Mihaela for DsTau collaboration, (2023) Preliminary results of the reconstruction of the primary proton interactions in the pilot run of the NA65 (DsTau) experiment, submitted to Physics of Atomic Nuclei, <https://doi.org/10.3390/particles3010013> after The 6th International Conference on Particle Physics and Astro-physics (ICPPA-2022)
4. *Miloi Madalina Mihaela*, Semion Goryunov, German Kulin (2018) Possible Experiment for the Demonstration of Neutron Waves Interaction with Spatially Oscillating Potential, EPJ Web Conf, [https://www.epj-conferences.org/articles/epjconf/abs/2018/12/epjconf\\_ayss2018\\_02004/epjconf\\_ayss2018\\_02004.html](https://www.epj-conferences.org/articles/epjconf/abs/2018/12/epjconf_ayss2018_02004/epjconf_ayss2018_02004.html), after The XXI International Scientific Conference of Young Scientists and Specialists (AYSS-2017)

### 1.3 non-ISI journals and other publications

1. The DsTau collaboration: Aoki Shigeki... *Miloi Madalina* ... Yoshimoto Masahiro, (2019) DsTau status report, [https://cds.cern.ch/record/2668731/files/SPSC-SR-250.pdf?fbclid=IwAR2tVL-6AEjk5JuRqM\\_s40eh8rvR0JqP81x0we2VIm3kLxl1eaocTQGOKik](https://cds.cern.ch/record/2668731/files/SPSC-SR-250.pdf?fbclid=IwAR2tVL-6AEjk5JuRqM_s40eh8rvR0JqP81x0we2VIm3kLxl1eaocTQGOKik)

2. The DsTau collaboration: Aoki Shigeki... *Miloi Madalina* ... Yoshimoto Masahiro, (2020) NA65/DsTau status report 2020, **chapter 2.5.2**, <https://cds.cern.ch/record/2719967/files/SPSC-SR-274.pdf?fbclid=IwAR3x6fLxbJHDoqeegV7KsrF3ReA7P5nuungMFyeTYOHI08XVdua9MsMmwLQ>
3. The DsTau collaboration: Aoki Shigeki... *Miloi Madalina* ... Yoshimoto Masahiro, (2021) DsTau status report 2021, **chapter 2.2**, <https://cds.cern.ch/record/2771162/files/SPSC-SR-295.pdf>
4. The DsTau collaboration: Aoki Shigeki... *Miloi Madalina* ... Yoshimoto Masahiro, (2022) DsTau status report 2021, <http://cds.cern.ch/record/2811105/files/SPSC-SR-315.pdf>

## 2 Presentations and posters

### 2.1 Oral Talks at International conferences

1. *Miloi Madalina*, "About a possible experiment for the demonstration of neutron waves interaction with accelerated matter", The XXI International Scientific Conference of Young Scientist and Specialists (2017), Dubna-Russia, <https://indico.jinr.ru/event/174/contributions/1533/>
2. *Miloi Madalina-Mihaela*, (2022) Annual scientific conference of young scientists and specialists (Alushta-XI), Alushta-Crimea, 5-12 June 2022, "Detection of charm particles in NA65/DsTau experiment at CERN-SPS" <https://indico.jinr.ru/event/2900/sessions/1666/#20220606>
3. *Miloi Madalina-Mihaela*, (2022) The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022), Dubna, Russia, 24-28 October, "Preliminary results of the Pilot Run in the NA65-DsTau experiment at CERN-SPS", <https://indico.jinr.ru/event/3154/timetable/?layout=room#20221026.detailed> Proceedings submitted to PEPAN Letters
4. *Miloi Madalina-Mihaela*, (2022) The 6th International Conference on Particle Physics and Astrophysics (ICPPA-2022), Moscow, Russia, 29th November - 2nd of December, "First results of the NA65 (DsTau) experiment at CERN-SPS", <https://indico.particle.mephi.ru/event/275/contributions/3320/> Proceedings submitted in Physics of Atomic Nuclei

#### 2.1.1 Oral Talks at International Schools

5. *Miloi Madalina*, "Possible experiment for the demonstration of neutron waves interaction with spatially oscillating potential", 8th International Summer School in Nuclear Science (2017), Brasov, Romania, <https://indico.jinr.ru/event/164/contributions/1062/>
6. *Miloi Madalina*, on behalf of DsTau collaboration, "Study of tau-neutrino production at CERN-SPS by nuclear track emulsion technique" (2019) Helmholtz International Summer School "Quantum Field Theory at the Limits: from Strong Fields to Heavy Quarks", Dubna-Russia, 22 July - 2 August , [https://indico.jinr.ru/event/797/attachments/5292/6907/sched\\_2019\\_v4.pdf](https://indico.jinr.ru/event/797/attachments/5292/6907/sched_2019_v4.pdf)
7. *Miloi Madalina*, on behalf of DsTau collaboration, "The DsTau experiment: measuring the tau-neutrino production cross section" (2021) 57th Karpacz Winter School of Theoretical Physics and PHAROS COST Action CA16214 Training School – "Equation of state of dense matter and multi-messenger astronomy", Karpacz-Poland, 19 June - 26 June, grant COST <https://events.ift.uni.wroc.pl/event/68/timetable/#20210623>
8. *Miloi Madalina*, on behalf of DsTau collaboration, "The DsTau experiment: measuring the tau-neutrino production cross section" (2021), 21st JINR-ISU Baikal Summer School on Physics of Elementary Particles and Astrophysics, online, 12 July - 19 July, <https://indico.jinr.ru/event/2154/overview>

## 2.2 National conferences

1. *Miloi Madalina*, (2017) "Possible experiment for the demonstration of neutron waves interaction with spatially oscillating potential", Sesiunea de comunicări științifice a Facultății de Fizică ( Bucharest University Faculty of Physics 2017 Meeting), Magurele-Romania
2. *Miloi Madalina*, (2019) "Emulsia nucleara ca dozimetru pentru estimarea dozei absorbite in timpul unui zbor civil", TIM Physics Conference - Workshop, Timisoara, Romania
3. *Miloi Madalina*, on behalf of DsTau collaboration (2019), "The DsTau Experiment: Study of Tau Neutrino Production", Sesiunea de comunicări științifice a Facultății de Fizică ( Bucharest University Faculty of Physics 2019 Meeting), Magurele-Romania, 21 June, <https://www.fizica.unibuc.ro/SFFB/Abstract.php?AbstractID=2146957900>

## 2.3 Invited talks at local events

4. *Miloi Madalina*, Nuclear Emulsion Films: from Glorious Past, to a Bright Future, 30 March 2019, Institute of Space Science Auditorium (included in the event organized for the visit of Natural Sciences teachers from Piatra Neamț), Magurele, Romania
5. *Miloi Madalina*, Stratospheric Balloons Launches, 4 March 2020, Institute of Space Science Auditorium, Magurele, Romania