

Ֆիզիկայի ինստիտուտ

Միջուկային ֆիզիկայի և աստղաֆիզիկայի ամբիոն
Ամբիոնի վարիչ, ասիստենտ

Լեզուների իմացություն

Русский

Հրատարակումներ

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Measurement of the Higgs boson mass and width using the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV

A. Tumasyan, A. Hayrapetyan, M. Kirakosyan, A. Apresyan, A. Nikitenko, O. Kodolova,

et al. (CMS Collaboration)

Physical Review D 2025 092014

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Energy-scaling behavior of intrinsic transverse-momentum parameters in Drell-Yan simulation

A. Tumasyan, A. Hayrapetyan, M. Kirakosyan, A. Nikitenko, O. Kodolova, A. Apresyan,

et al. (CMS Collaboration)

Physical Review D 2025 072003

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Proton reconstruction with the TOTEM Roman pot detectors for high- b^* LHC data

A. Tumasyan, A. Hayrapetyan, et al

Journal of Instrumentation 2025 P04012

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Search for light long-lived particles decaying to displaced jets in proton-proton collisions at $\sqrt{s} = 13.6$ TeV

A. Tumasyan, A. Hayrapetyan, CMS Collaboration

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Search for heavy neutral Higgs bosons A and H in the $t\bar{t}Z$ channel in proton-proton collisions at 13 TeV

A. Tumasyan, A. Hayrapetyan, A. Apresyan, M. Kirakosyan, CMS Collaboration

Physics Letters B 2025 139568

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Search for rare decays of the Z and Higgs bosons to a J/Psi or Psi(2S) meson and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV

A. Tumasyan, A. Hayrapetyan, A. Apresyan, M. Kirakosyan, CMS Collaboration

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Search for Nuclear Modifications of B+ Meson Production in p-Pb Collisions at $\sqrt{s_{NN}} = 8.16$ TeV

A. Tumasyan, A. Hayrapetyan, A. Apresyan, M. Kirakosyan, A. Nikitenko, O. Kodolova, CMS Collaboration
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Search for New Resonances Decaying to Pairs of Merged Diphotons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV

A. Tumasyan, A. Hayrapetyan, O. Kodolova, A. Nikitenko, A. Apresyan, M. Kirakosyan, CMS Collaboration
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Search for pair production of heavy particles decaying to a top quark and a gluon in the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV

A. Tumasyan, A. Hayrapetyan, CMS Collaboration 2389
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Constraints on standard model effective field theory for a Higgs boson produced in association with W or Z bosons in the $H \rightarrow b\bar{b}$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV

A. Tumasyan, A. Hayrapetyan, CMS collaboration
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A. Tumasyan, A. Hayrapetyan, CMS collaboration
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Model-agnostic search for dijet resonances with anomalous jet substructure in proton-proton collisions at $\sqrt{s} = 13$ TeV

A. Tumasyan, A. Hayrapetyan, CMS Collaboration
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Stairway to discovery: A report on the CMS programme of cross section measurements from millibarns to femtobarns

A. Tumasyan, A. Hayrapetyan, CMS Collaboration
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Dark sector searches with the CMS experiment

A. Tumasyan, A. Hayrapetyan, CMS Collaboration
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Search for flavor changing neutral current interactions of the top quark in final states with a photon and additional jets in proton-proton collisions at $\sqrt{s}=13$ TeV

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A. Tumasyan, A. Hayrapetyan, CMS Collaboration 2345

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A. Tumasyan, A. Hayrapetyan, CMS Collaboration 2321

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A. Tumasyan, A. Hayrapetyan, CMS Collaboration 2191

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A. Tumasyan, CMS Collaboration 2288

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A. Tumasyan, CMS Collaboration 2312

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Search for new Higgs bosons via same-sign top quark pair production in association with a jet in proton-proton collisions at $\sqrt{s}=13$ TeV

A. Tumasyan, A. Hayrapetyan, CMS Collaboration 2305

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Search for long-lived particles decaying to final states with a pair of muons in proton-proton collisions at $\sqrt{s} = 13.6$ TeV

A. Tumasyan, Hayrapetyan A., CMS collaboration 2305

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Extracting the speed of sound in quark-gluon plasma with ultrarelativistic lead-lead collisions at the LHC

A. Tumasyan, A. Hayrapetyan, CMS Collaboration

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Search for heavy neutral leptons in final states with electrons, muons, and hadronically decaying tau leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV

A. Tumasyan, A. A. Hayrapetyan, CMS collaboration

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Measurements of polarization and spin correlation and observation of entanglement in top quark pairs using lepton + jets events from proton-proton collisions at $\sqrt{s} = 13$ TeV

A. Tumasyan, A. Hayrapetyan¹, A. Nikitenko, M. Kirakosyan, A. Apresyan, CMS Collaboration

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Performance of the CMS high-level trigger during LHC Run 2

A. Tumasyan, A. Hayrapetyan, et al

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Search for CP violation in $D^0 \rightarrow K^0_S K^0_S$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV

A. Tumasyan, A. Hayrapetyan, CMS Collaboration

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A. Tumasyan, et al. 2278

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A. Tumasyan, CMS Collaboration 2338

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A. Tumasyan, CMS Collaboration 2340

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A. Tumasyan, CMS collaboration 2322

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A. Tumasyan, CMS Collaboration 2362

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A. Tumasyan, CMS Collaboration 2318

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A. Tumasyan, CMS Collaboration 2295

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A. Tumasyan, CMS collaboration 2380

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A. Tumasyan, A. Hayrapetyan, CMS collaboration

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