

XXV International Baldin Seminar on High Energy Physics Problems  
"Relativistic Nuclear Physics and Quantum Chromodynamics"



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on High Energy Physics Problems  
*Relativistic Nuclear Physics & Quantum Chromodynamics*  
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## Dependence of structure of of elastic scattering amplitude on Mandelstam variables at high energies

*Friday, 22 September 2023 16:50 (20 minutes)*

The analysis of the new experimental data obtained by the TOTEM and ATLAS Collaborations at LHC together with old data, obtained at SPC and Tevatron colliders at small momentum transfer, in the framework of high energy generalized structure (HEGS) model allow to determined  $s$  and  $t$  dependence of the different parts of the hadron elastic scattering amplitude.

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