

On the Physical Improbability of Nuclei Mutual Longitudinal Compression in High and More Over in Superhigh Energy Collisions

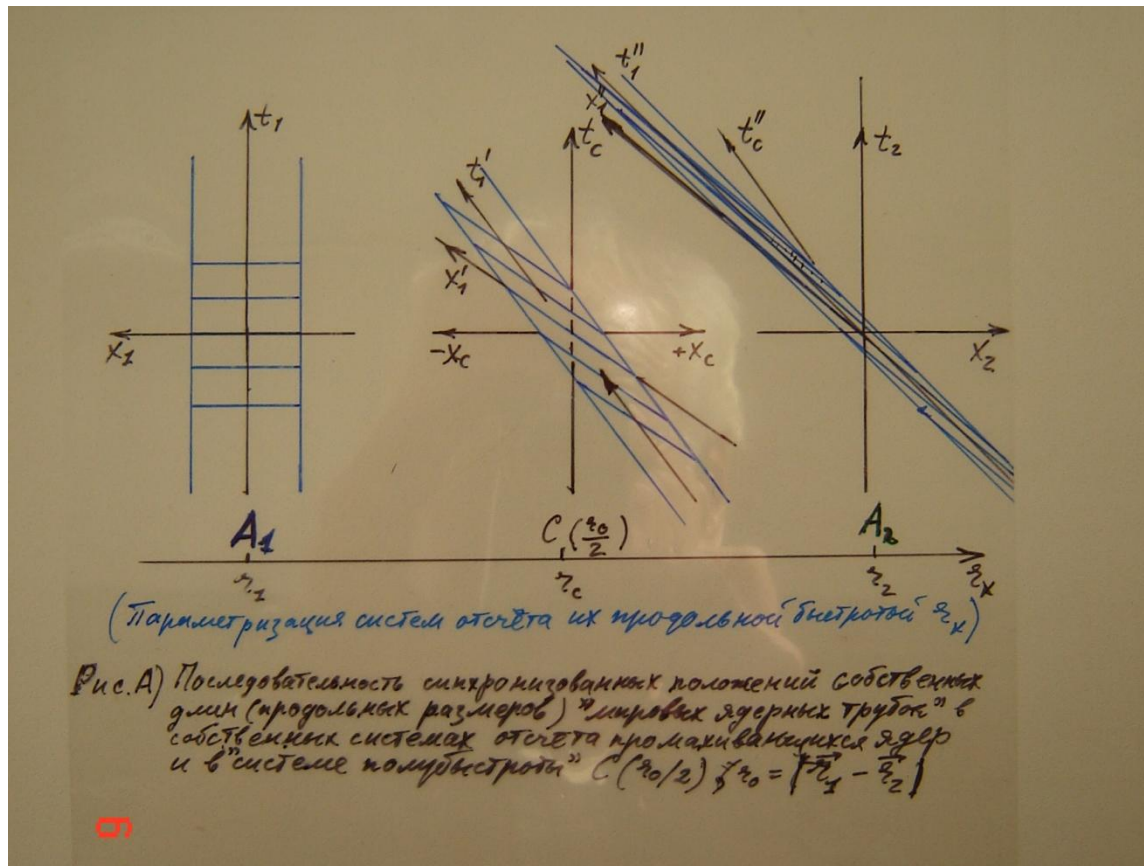
Bubelev Engeliy G.

Joint Institute for Nuclear Research, Dubna, Russia

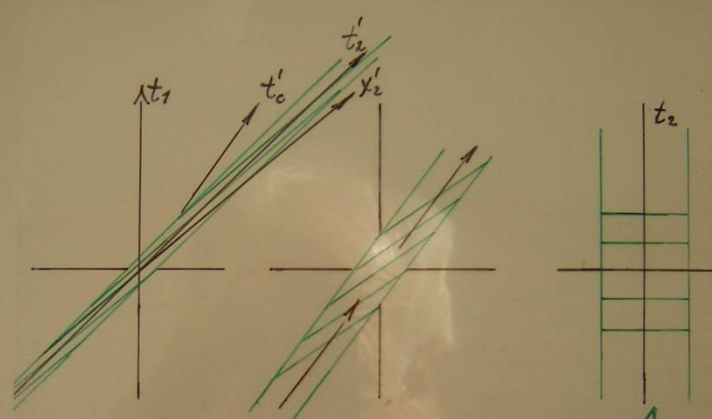
E-mail: e.g.bubelev@gmail.com

Report's content

- Nuclei at rest
- Space-time kinematics
of rapid nuclei collisions
- Cumulative effect cross section
- Discussion
- Conclusion

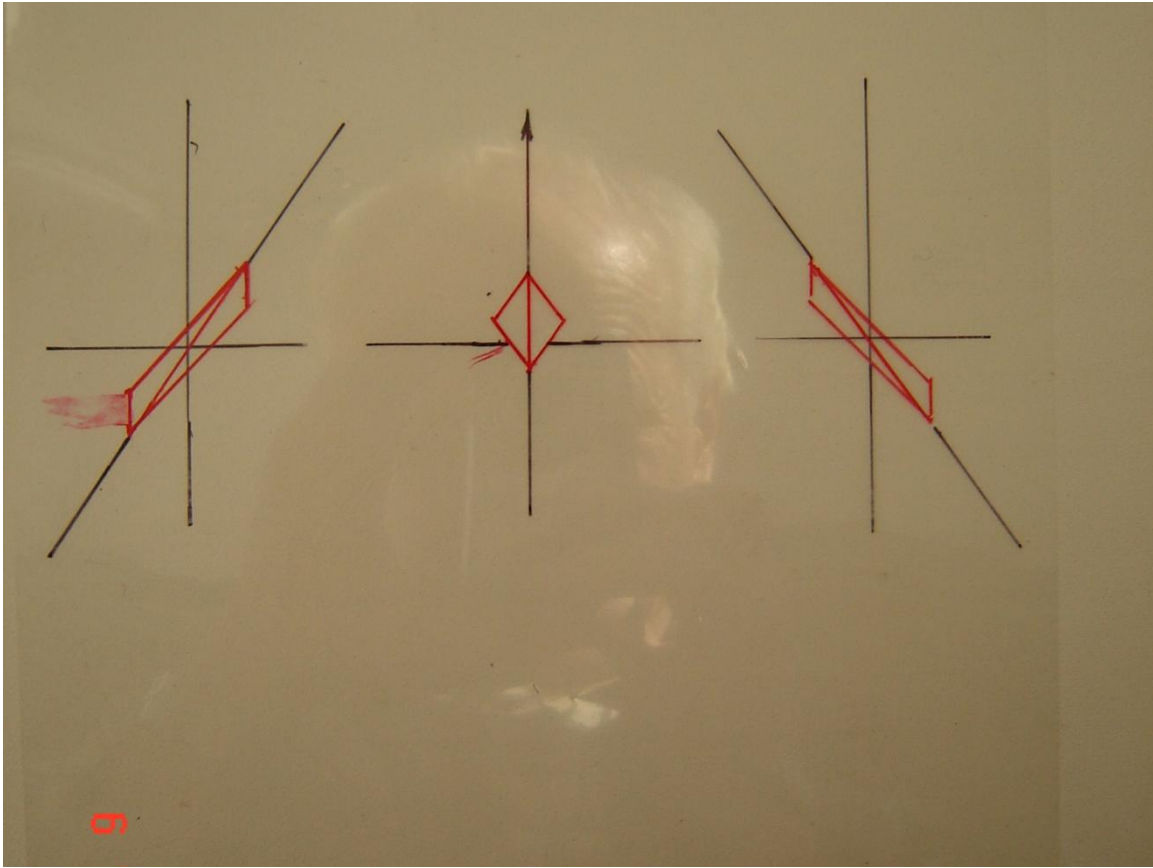


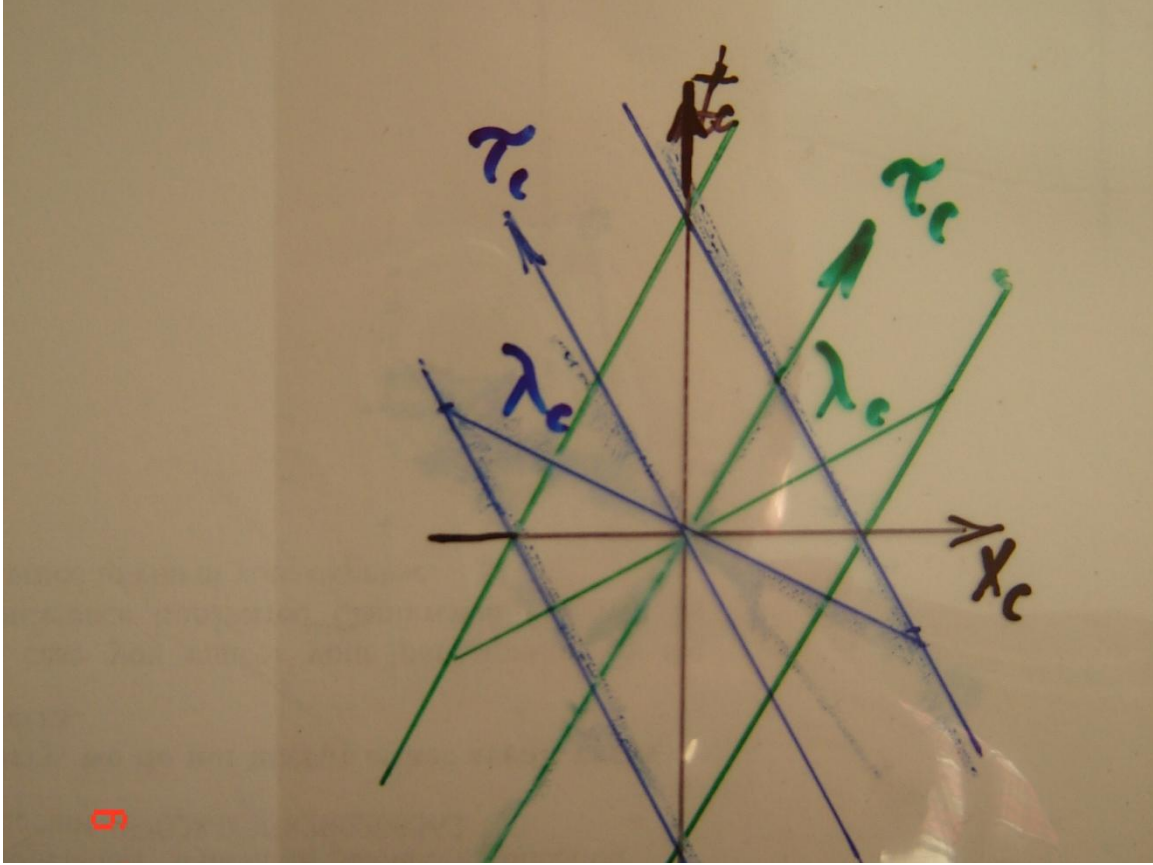
Time sequence of synchronised positions for igen leng for nucleus A-1 in the rest frames of colliding nuclei 1 & 2 and their “semi-rapidity” frame C

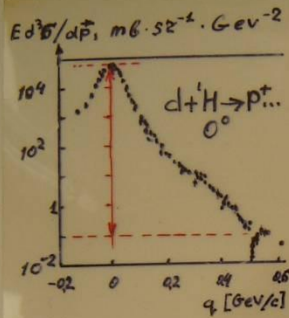


Time sequence of synchronized positions for igen leng A_2 for nucleus A-2 in the rest frames of colliding nuclei 2 & 1 and their "semi-rapidity" frame C

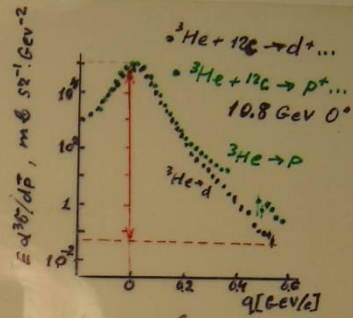
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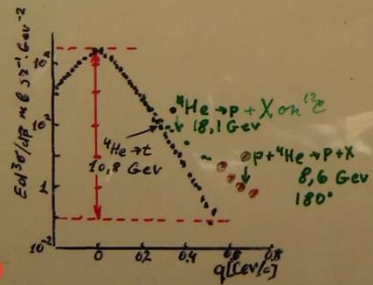




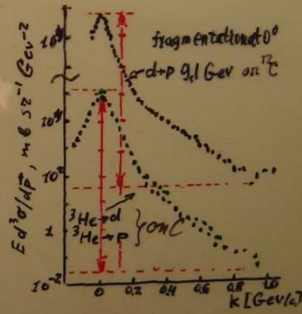
a)



b)



c)



d)

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Invariant differential cross section for d (${}^3\text{He} \rightarrow {}^4\text{He}$) breakup on ${}^4\text{H}$ - a), c), d) and on ${}^{12}\text{C}$ - b), c), d) vs. p - (or d -at d)-momentum in the rest frame of incident light nucleus.